

• ~~the~~ ~~influence~~ of ~~politics~~
• ~~of culture and art~~
• ~~independence, freedom~~, ~~sovereignty~~
• ~~(C) Compensation~~ ~~(E)~~ ~~(IX)~~
• ~~see~~ ~~(C)~~ ~~(IX)~~
• ~~for the influence of modern~~ ~~(B)~~ ~~(III)~~
• ~~new values~~ ~~from~~ ~~the~~ ~~West~~ ~~(P)~~ ~~(IX)~~
• ~~new influences~~ ~~and~~ ~~values~~

(A) Final result draw out
(B) Final result draw out
(C) The result extended
(D) The result draw out
(E) The result of the sum
(F) The result of the sum
(G) Final result draw out
(H) Final result draw out
(I) Final result draw out
(J) Final result draw out
(K) Final result draw out
(L) Final result draw out
(M) Final result draw out
(N) Final result draw out
(O) Final result draw out
(P) Final result draw out
(Q) Final result draw out
(R) Final result draw out
(S) Final result draw out
(T) Final result draw out

Section A

Planning and Control

Planning → Control

Satisfied ← Satisfied

Satisfied Solution

Satisfied Planning

(A) ~~Demand for Food (F)~~ $F = \text{Demand for Food}$
 When

$$MAD = \frac{\sum_{i=1}^n |F_i - F_t|}{\sum_{i=1}^n F_t} = \frac{20200}{20200}$$

 (MAD)
 Mean Absolute Deviation (MAD)
 Mean Square Error (MSE)
 Mean Absolute Error (MAE)
 Mean Absolute Deviation (MAD)

Note: In order to calculate the mean absolute deviation we will happen in the following different moments our future: if the following difference between the predicted value and the actual value to the absolute value of the difference.

(B) ~~A forecast is a result of a process that follows the following steps:~~
 (C) ~~Section B~~

(I) ~~The process begins with the collection of data from the market or from the company's internal systems.~~
 (II) ~~The data is then analyzed to identify patterns or trends in the market.~~
 (III) ~~The patterns are used to develop a model or a structure for predicting future values.~~
 (IV) ~~The model is then used to generate forecasts for specific periods of time.~~
 (V) ~~The forecasts are then evaluated against actual data to assess their accuracy.~~
 (VI) ~~The process is then repeated for the next period, with new data being collected and analyzed.~~
 (VII) ~~The final output of the process is a set of forecasts for the future, which can be used to inform business decisions.~~

$$MAPE = \frac{S}{27+165} = \frac{5}{192} = 5.433\%$$

$$MSE = \frac{S}{27+165} = \frac{5}{192} = 115$$

$$MFE = \frac{S}{27+165} = \frac{5}{192} = 10$$

$$MAD = \frac{S}{27+165} = \frac{5}{192} = 0$$

		Sts	Sh	SBS				
		27.165	8.330	8.330	165	165	165	165
0.00	0.00	0.00	0.00	0.00	0	0	0	0
0.1L.S	0.1H.S	0.10	0.10	0.10	0.10	0.10	0.10	0.10
3.125	3.125	-3.125	2.8	5	-5	165	165	165
10	10	225	15	-15	165	165	165	165
MAPE	MSE	D _t - F _t						
MAPE = $\frac{1}{n} \sum D_t - F_t \times 100$	MSE = $\frac{1}{n} \sum (D_t - F_t)^2$							

$$\frac{n}{(D_t - F_t)} = \frac{n}{\sum (D_t - F_t)}$$

$$MFE = \frac{\sum (D_t - F_t)}{n}$$

$$MSE = \frac{\sum (D_t - F_t)^2}{n}$$

2) Mean Absolute Error =

the introduction of the new product will be limited by the market potential of the new product. This will depend on the demand for the new product and the cost of production.

The introduction of the new product will be limited by the market potential of the new product and the cost of production.

A successful introduction of the new product will depend on the following factors:

- 1. Demand for the new product
- 2. Cost of production
- 3. Availability of raw materials
- 4. Adequate distribution network
- 5. Adequate marketing strategy
- 6. Adequate promotional activities
- 7. Adequate financial resources
- 8. Adequate labor force
- 9. Adequate infrastructure
- 10. Adequate government support

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Conc. f. t. culture desiccating Technique

- Simple moulding
- Simple working structure
- Simple shape moulds
- Double working structure
- Double desiccating
- Simple desiccation
- Simple - surface method
- Wet f. t. desiccation
- Desiccating surface technique
- Wet f. t. surface

$\overrightarrow{+9.66}$	$\overrightarrow{76}$	$\overrightarrow{58}$	$\overrightarrow{71}$
$\overrightarrow{26}$	$\overrightarrow{+9.66}$	$\overrightarrow{68}$	$\overrightarrow{11}$
$\overrightarrow{\Sigma 3.68}$	$\overrightarrow{96}$	$\overrightarrow{104}$	$\overrightarrow{01}$
$\overrightarrow{58}$	$\overrightarrow{\Sigma 3.68}$	$\overrightarrow{901}$	$\overrightarrow{5}$
$\overrightarrow{\Sigma 01}$	$\overrightarrow{78}$	$\overrightarrow{81}$	$\overrightarrow{7}$
$\overrightarrow{001}$	$\overrightarrow{63}$	$\overrightarrow{96}$	$\overrightarrow{9}$
$\overrightarrow{103.33}$	$\overrightarrow{001}$	$\overrightarrow{96}$	$\overrightarrow{5}$
$\overrightarrow{46}$	$\overrightarrow{\Sigma 3.33}$	$\overrightarrow{123}$	$\overrightarrow{4}$
	$\overrightarrow{46}$	$\overrightarrow{48}$	$\overrightarrow{3}$
		$\overrightarrow{001}$	$\overrightarrow{1}$
		$\overrightarrow{56}$	

$\overrightarrow{(7t)}$
First

$\overrightarrow{(MFD)}$
Middle

$\overrightarrow{(7t)}$
Second

$\overrightarrow{1}$
Third

With Middle Method

Suppose if the first load is given or some load before 12 months from the first period then we have to calculate the mid point sum of the remaining period. If suppose we consider that there is no load before the first period then we can say that the first period will sum up the remaining period. If suppose we consider the first period as the first period then we can say that the first period will sum up the remaining period.

$$\boxed{(n-1)T + (2-1)T + (1-1)T + (0-1)T = 7t}$$

Middle Average can be calculated by

$\overrightarrow{\text{Simple Middle Average Method}}$

119	126	130	6
121	129	110	5
118	129	110	4
	118	110	3
		130	2
		120	1
			Sum

→ 3 for next second, 0.2 to the following

Subprob A will fit of S. of more second
prob.

→ Thus the sum of all
demand values (including
second seconds) will be same
as the more second

→ It is possible. The value of waiting
time was not to some
seconds. This may be
because waiting times were
of random.

Average waiting time

$$F_{13} = M_{12} = 92$$

Effect of load is would be

$$h_5 = \frac{S}{S + 100 + 67} = M(S)$$

Waiting Average for my load

$$xq + b = f$$

	h ₀₄	00298	05191	Σ
h ₄		23200	2900	8
h ₉		18200	2600	7
Σ		18600	3100	6
25		12000	2400	5
61		6000	1500	h
50	500	1050	1500	Σ
h	3100	1550	1550	2
1	600	600	600	1
X ₂	X ₁ X	(X)	(X)	(X)
		sums		sums

(iii) Using linear regression

$$= 126$$

Result for the sum monthly

$$\frac{\sum w_i}{\sum f_i} = M_t$$

Weight

$$= 118$$

$$\text{Weight}(M_t) = \frac{0.2 \times 120 + 0.3 \times 136 + 0.5 \times 116}{0.2 + 0.3 + 0.5}$$

Method of balancing sheet testing based on direct method

Method of balancing sheet testing based on direct method

$$\overline{0.67 \Sigma} \times 100 \cdot 58 + \Sigma = 0.1 f$$
$$0.1 \times 20 \cdot 22 \Sigma + 100 \cdot 59.5 = 0.1 f$$

$$\overline{0.67 \Sigma} \times 100 \cdot 58 + \Sigma = 0.1 f$$
$$0.1 \times 20 \cdot 22 \Sigma + 100 \cdot 59.5 = 0.1 f$$

equation 10 & 11 subtract

$$20 \cdot 22 \Sigma + 100 \cdot 59.5 = f$$

$$20 \cdot 22 \Sigma = q$$
$$100 \cdot 59.5 = r$$

$$① \leftarrow \overline{q} + \overline{r} = 86200$$
$$① \leftarrow q + r = 05191$$

pk = m

$$- 2039 + 2039 = 0$$

$$① \leftarrow 2039 + 1210 = 3250$$

$$\boxed{E = \sum_{i=1}^{n+1} g_i}$$

E is sum of $n+1$

numbers

+ if i sum of n

$$\boxed{A = 6E}$$

$\textcircled{3} \neq \textcircled{1}$ more

$$\cancel{E = 2A}$$

E is sum of $n+1$ numbers

$$\textcircled{1} \leftarrow \boxed{A = \sum_{i=1}^n E}$$

$\textcircled{2}$ E is sum of n numbers + first unit of A

more than product of n numbers

of unit

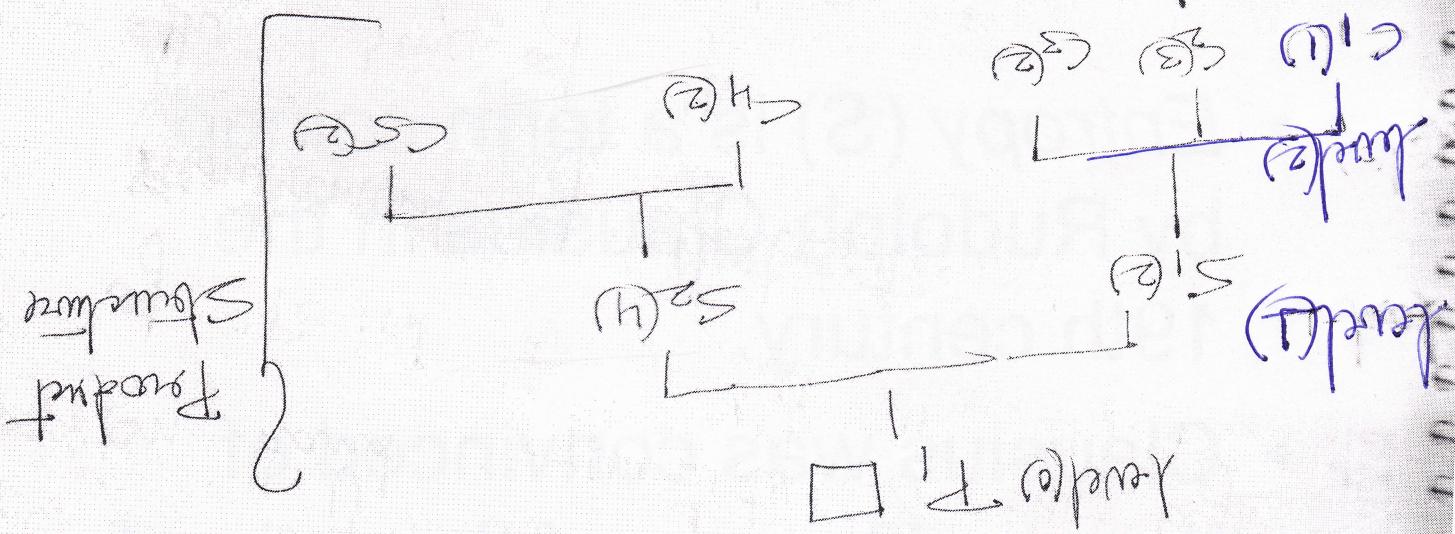
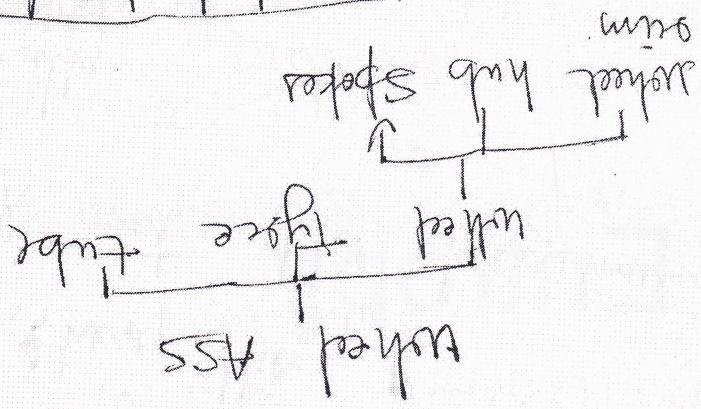
or A is demand for the product A

so E is sum of n numbers

Here we have to calculate A

(b)(h)

W.M. & M.O. S



which can be found in the standard parts list or drawing
This indicates that the front wheel is a drop
forged monolithic casting.
The type of mt.

Standard parts list in terms of part No's, also
the details of the item, standard
drawing is a document detailing

W.M. & M.O. S

• happy in shopping mall
buying things
from op. second hand
store. sellout
for shopping
everyday

(上) Reduced delay in production efficiency
↓ Component demand ↓ MRP ↓ idle time ↓ idle capacity ↓ processing cost ↓ total cost

↳ Influence of MRP
↳ Effect of MRP
↳ MRP determination how
and needed price component is
in order to meet the MPS,
volume, in order to meet the MPS,
excess demand satisfying needs
of existing customers through
↳ function of MRP

The MRP → the MPS is the drawing for me. It made a detailed planning of the material and secondary element planning for the MPS. It shows the drawing for the schedule fee. The drawing days down from the schedule fee. And so it's so that reading adders and calculating net so that MPS can be implemented. The MRP are the MPS come up. Input fee the MRP are the TOM and the inventory safety stock.

$\frac{60 \text{ min}}{\text{per hours}} \times \frac{1.5 \text{ min}}{\text{per component}}$ \leftarrow Production capacity
 \leftarrow No components per hour

$$\frac{25932}{2000 \text{ kg/m}^3} \rightarrow 12.9 \text{ m}^3/\text{kg}$$

15.0 f
1000058 f
25452 f
25452 f
1000058 f
15.0 f

~~Powerful speech can be used to speak up for people's rights~~

and the population schedule system to predict future trends.

allow all components to be scheduled time, my most important schedule time, and my self-improvement schedule.

↳ Ingested orally \rightarrow MRP → Microbial colonisation

↳ Production department → Infrastructural department → Marketing department → Customer service department → MRP feedback on

Pedal Atc. Committment \leftarrow B4. Writing right
pedal position dependent on the
pedal position

Partial combustion \leftarrow Say, using high heat

Now the form can go fast if
it d'walls those miles, it may start
the car off quickly manage the
by posture scheduling see using a second
ee by some deadlocking it's better.
a mile, the form will have some excess
especially. This will especially may be
truly. By stretching words, which
words the service of others see if can fast
the stretchy of the form which needs the

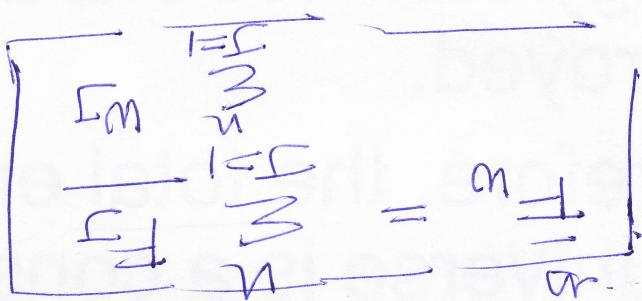
40 miles per hour

129 miles per year

No of miles second

$$= \frac{9}{16.9} = 18.78 \text{ hours}$$

$$= \frac{8 + \sum_{i=1}^{n-1} (T_i - T_{i+1})}{\sum_{i=1}^n T_i} =$$



the weighted mean flow time

Job (j)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
W _j	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
C _j (F _j)	4	6	12	17	31	36	41	46	51	56	61	62	66	71	76	81

Sum

Sum

Calculation:

The therefore optimal sequence which will minimize the weighted mean flowtime is 2-5-3-4-1-6-7-8-9-10-11-12-13-15-14-1.

Sequence

we get the following relation.

Arrange the jobs in the increasing order of $1/W_j$ (i.e. WSPT ordering). From the above table,

Job (j)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
W _j ($1/W_j$)	1	15	4	5	14	8	2	3	1	2	5	7	2.67	1.5	1.33	1.17
Processing time (T_j)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Sum

Sum

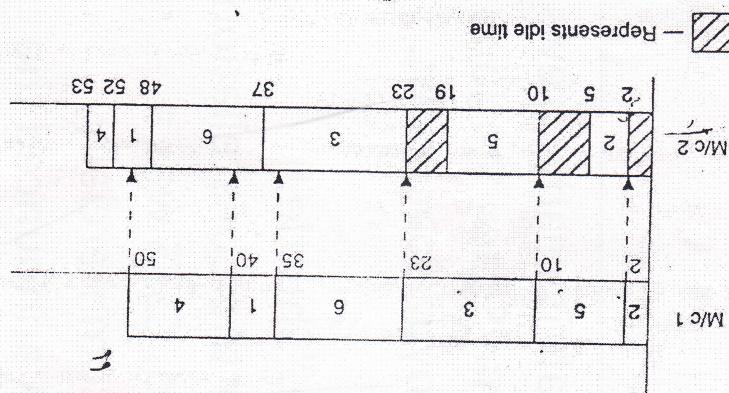
be find by the below table
the minimum sequence can be by WSPT the solution is 2-5-1-3-4-6-7-8-9-10-11-12-13-15-14-1

=====

problem is S3

the makespan for the

Fig. 14.3 Gantt chart for 2 machines, 6 jobs problem.



The makespan for this schedule is 33. The makespan can also be obtained using Gantt chart which is shown in Fig. 14.3.

Job	Time-in	Time-out	Machine-1	Time-in	Time-out	Machine-2	Idle Time on Machine 2
Processing Time							
2	0	2	2	5	7	52	0
5	2	4	4	10	12	48	0
3	10	12	12	15	17	48	0
6	12	14	14	18	20	52	0
1	18	20	20	23	25	52	0
4	23	25	25	28	30	52	0

Time-in on M/C 2 = $\max [M/C_1 \text{ Time-out of the current job}, M/C_2 \text{ Time-out of the previous job}]$

In the following table,

The makespan is determined as shown below.

The optimal sequence is 2-5-3-6-1-4.

1	1, 2, 3, 4, 5, 6	$J_1 = [6]$	$J_2 = [1]$	$J_3 = [5]$	$J_4 = [2]$	$J_5 = [4]$	$J_6 = [3]$
2	1, 2, 3, 5, 6	$J_1 = [6]$	$J_2 = [1]$	$J_3 = [5]$	$J_4 = [2]$	$J_5 = [3]$	$J_6 = [4]$
3	1, 2, 3, 5, 6	$J_1 = [6]$	$J_2 = [1]$	$J_3 = [5]$	$J_4 = [2]$	$J_5 = [3]$	$J_6 = [4]$
4	3, 5, 6	$J_1 = [6]$	$J_2 = [1]$	$J_3 = [5]$	$J_4 = [2]$	$J_5 = [3]$	$J_6 = [4]$
5	3, 6	$J_1 = [6]$	$J_2 = [1]$	$J_3 = [5]$	$J_4 = [2]$	$J_5 = [3]$	$J_6 = [4]$
6	3	$J_1 = [6]$	$J_2 = [1]$	$J_3 = [5]$	$J_4 = [2]$	$J_5 = [3]$	$J_6 = [4]$

Stage by Unscheduled jobs Partial assignment Sequencing Minimizing makespan

the optimum sequence using Johnson's rule can be calculated by the following steps

1. The sum of the completion times for all machines is calculated for each sequence.

2. The sequence with the minimum sum is selected as the optimum sequence.

3. The makespan for the optimum sequence is calculated as the maximum completion time.

4. The sequence is then converted into a Gantt chart to determine the actual start and end times for each job on each machine.

5. The total makespan is then determined from the Gantt chart.

(5)

$$U.C = 135 \times 3000 = 405000$$

$$P.C = 50000$$

at location A

$$5000 \times 5000 = 2500000$$

the sum of all the demand

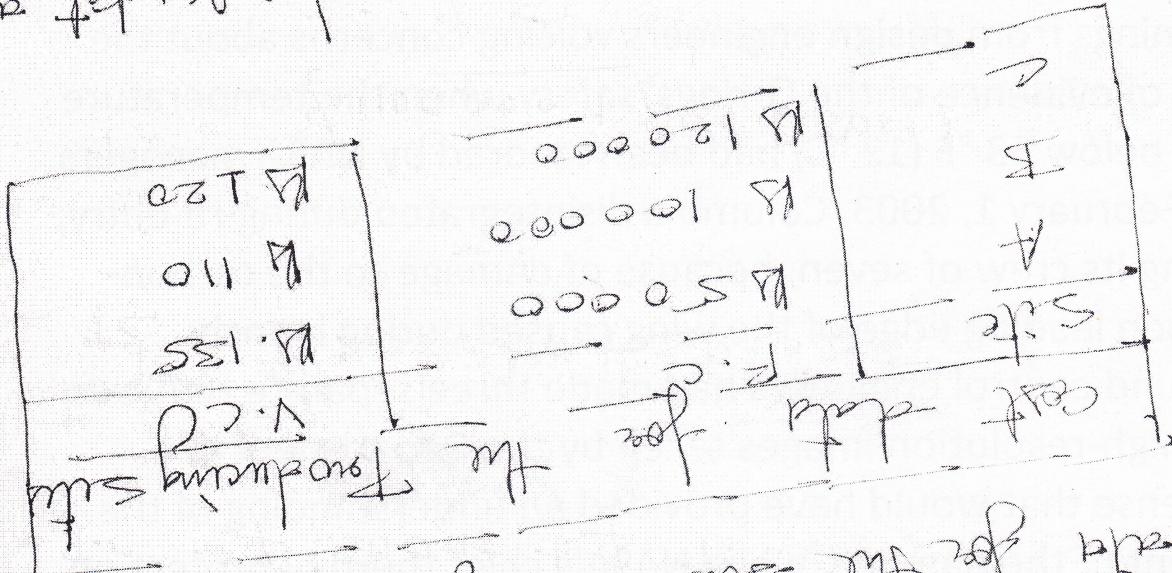
~~sum~~
~~location~~

we will have

the demand at each end is

the demand at each end is

the sum of all the demand is 3000 which is



total for the 3000 units given in the table:

considering A_9, B_5, C_2, D_3 for the purpose. Get

unit of transport from second to first

in the speed of goods from intervals of supply + ~~(S)~~ ~~M~~

(+) As the profit to be earned is in the budget the profit should be lessed for the loss

$$\text{Total F} = 420000$$

$$\text{Total F} + 500000 - 480000$$

$$\text{Total F} = 480,000$$

$$V.C = 120 \times 3000 = 360000$$

$$\text{F.C} = 120000$$

Get at lessation

$$\text{Total F} = 900000 - 480600 = 419400$$

$$\text{Total F} = 419400$$

$$V.C = 110 \times 3000 = 330000$$

$$\text{F.C} = 100000$$

Get at lessation

$$200500 - 200550 - 000000 = 150000$$

$$\text{Total F} = 150000$$

Layout – the configuration of departments, work centres, and equipment, with particular emphasis on movement of work (customers or materials) through the system.

Plant layout refers to the arrangement of physical facilities such as machinery, equipment, furniture etc. within the factory building in such a manner so as to have quickest flow of material at the lowest cost and with the least amount of handling in processing the product from the receipt of material to the shipment of the finished product.

According to J. L. Zundt, "Plant layout ideally involves allocation of space and arrangement of equipment in such a manner that overall operating costs are minimized.

According to Riggs, "the overall objective of plant layout is to design a physical arrangement that most economically meets the required output – quantity and quality."

Plant layout may be of four types:

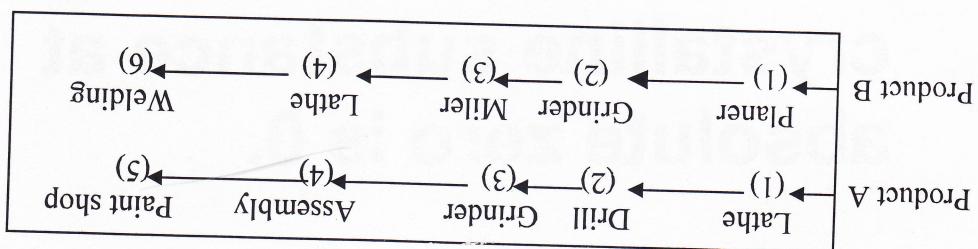
(a) Product or Line layout

(c) Fixed position or Location layout

(d) Combined or group layout

- a) Low cost of material handling, due to straight and short route and absence of backtracking

Advantages: Product layout provides the following benefits:



A line layout for two products is given below.

- a) All the machine tools or other items of equipments must be placed at the point demanded by the sequence of operations
- b) There should no points where one line crosses another line.
- c) Materials may be fed where they are required for assembly but not necessarily at one point.
- d) All the operations including assembly, testing packing must be included in the line

The grouping of machines should be done keeping in mind the following general principles.

Under this, machines and equipments are arranged in one line depending upon the sequence of operations required for the product. The materials move from one workstation to another sequentially without any backtracking or deviation. Under this, machines are grouped in one sequence. Therefore materials are fed into the first machine and finished goods travel automatically from machine to machine, the output of one machine becoming input of the next, e.g. in a paper mill, bams are fed into the machine at one end and paper comes out at the other end. The raw material moves very fast from one workstation to other stations with a minimum work in progress storage and material handling.

(a) Product or line layout:

- (b) Process or functional layout
- (c) Fixed position or location layout
- (d) Combined or group layout

In case of manufacturing unit, plant layout may be of four types:

Therefore, the manufacturing units involving continuous manufacturing process, producing few standardized products continuously on the firm's own specifications and in anticipation of sales would prefer product layout e.g. chemicals, sugar, paper, rubber, refineries, cement, automobiles, food processing and electronics etc.

- 1) Mass production of standardized products
- 2) Simple and repetitive manufacturing process
- 3) Operation time for different processes is more or less equal
- 4) Reasonably stable demand for the product
- 5) Continuous supply of materials

Suitability: Product layout is useful under following conditions:

- a. High initial capital investment in special purpose machine
- b. Heavy overhead charges
- c. Breakdown of one machine will hamper the whole production process
- d. Lesser flexibility as specially laid out for particular product.

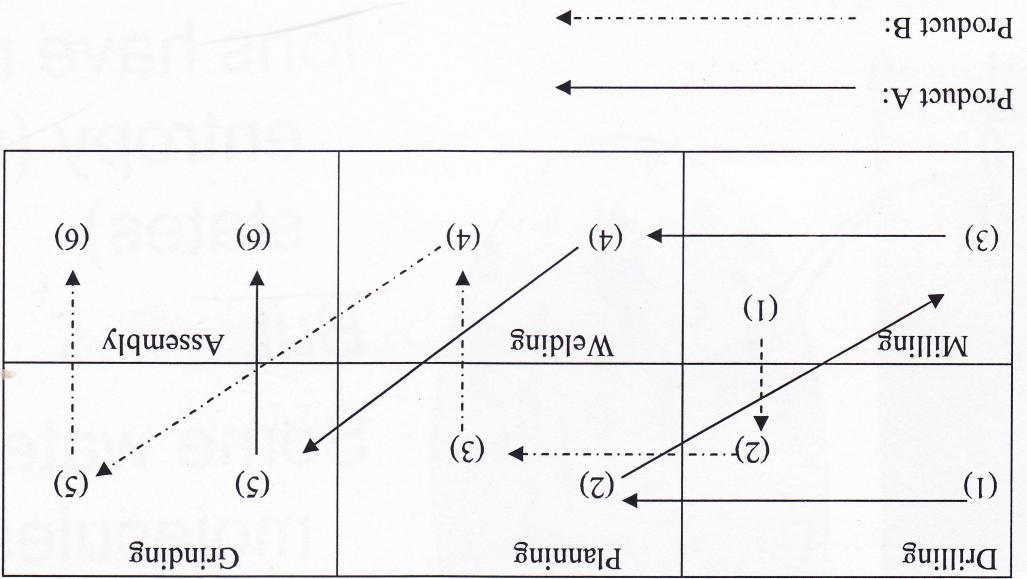
Disadvantages: Product layout suffers from following drawbacks:

- i) Lower cost of manufacturing per unit
- ii) Simple and effective inspection of work and simplified production control
- iii) Less congestion of work in the process
- iv) Shorter processing time or quicker output
- v) Optimum use of floor space
- vi) Lesser investment in inventory and work in progress
- vii) Continuous flow of work
- viii) Smooth and uninterrupted operations

- a) The distance between departments should be as short as possible for avoiding long distance movement of materials
 b) The departments should be in sequence of operations
 c) The arrangement should be convenient for inspection and supervision

The grouping of machines according to the process has to be done keeping in mind the following principles

Process layout showing movement of two products



The work, which has to be done, is allocated to the machines according to loading schedules with the object of ensuring that each machine is fully loaded. Process layout is shown in the following diagram.

Hence, such layouts typically have drilling department, milling department, welding department, heating department and painting department etc. The process or functional layout is followed from historical period. It evolved from the handicraft method of production. The work has to be allocated to each department in such a way that no machines are chosen to do as many different job as possible i.e. the emphasis is on general purpose machine.

In this type of layout machines of a similar type are arranged together at one place. E.g. Machines performing drilling operations are arranged in the drilling department, machines performing casting operations be grouped in the casting department, machines performing heating operations are installed in the heating department. Therefore the machines are installed in the plants, which follow the process layout.

(b) Process layout:

Introduction

Theory:

To manufacture any product, it is necessary either that materials move from one step of the manufacturing process to another or that operators move to the materials. The most common practice, of course, is to move the materials. This movement of materials from one processing area to another and from department to department necessitates the use of many personnel and equipment and the handling of tremendous tonnages of materials.

Consideration for the handling of work-in-process materials, as well as raw material cost accounting evaluation of the cost of manufacturing products reveals that when materials handling costs are separated from other costs, they can be seen to be significant. Recently, the materials handling function has been undergoing significant changes in concept and implementation. Management has been changing its view of materials handling as the routine transfer of materials from place to place and is beginning to think of it as part of a total materials flow system. This change in thinking has come about largely as a result of new automatic handling and storage equipment and systems that are integrated closely with automatic processing and sophisticated management information and control systems.

Definition of Materials Handling

In a broad sense, materials handling includes all movement of materials, in a manufacturing situation. It has been defined by the Materials Handling Division, American Society of Mechanical Engineers, as follows: "Materials handling is the art and science involving the moving, packing, and storing of substances in any form. 20-70% of product cost attributed to material handling." This is an all inclusive definition and can include fluids and semi-fluids, as well as discrete items. For the sake of simplicity, we shall limit our discussion in this chapter to the movement of discrete items, such as gears, tires, castings, and boxes. Similarly, we shall consider only the movement of materials within the plant or storage areas. Movement of materials between plants - particularly when common carriers are used - is generally considered a problem in traffic and is frequently handled by a separate traffic department.

Objectives of Materials Handling

The simplest solution to the materials handling problem - "No movement, no cost" is hardly practicable for a complete manufacturing process. It is basically sound approach when one is

- attempting to improve a complete production cycle and when the number of handling can be reduced. It is also a good solution in the making of heavy industrial equipment.
- In the latter situation it is often more feasible to bring the tools and workers to the product than to transport the product to the machine or work area.
- In addition to the objective of reducing the overall costs of materials handling by reducing the number of handling involved, the following may be considered as objectives of the engineer in this or her approach to this problem.
1. Lower the unit materials handling costs. It is obvious that if the overall materials handling costs are reduced the unit costs will be reduced. This approach requires the handling costs of handling be allocated to or identified with the units of product, or its component parts that moved.
 2. Reduce the manufacturing cycle time: The total time required to make a product from the receipt of raw materials to the finished goods can be reduced through effective materials handling.
 3. Contribute toward a better control of the flow of goods: A principle way in which good materials handling practice can affect savings is by making the control of goods easier particularly in continuous manufacturing, where all operations are "tied together" by the materials handling plan.
 4. Provide for improved working conditions and greater safety in the movement of materials many of the provisions of the Occupational Safety and Health Act require adherence to safe handling practices. These must be followed. In addition, it is evident that the safe handling of materials will be reflected in a better industrial accident record.
 5. Provide for fewer rejects: Care in the handling of the product will contribute to a better quality level of the goods produced. Products damaged by inefficient handling are all too often a major cost to manufacturer.
 6. Achieve decreased storage requirement: Better movement and storage of materials should increase the utilization of storage space.
 7. Gain Higher productivity at lower manufacturing cost: Any materials handling improvement should be achieved by moving materials in the fastest, most efficient and system, if it is worth its investments, is design to improve productivity. This should increase the way possible.

Desecration → Produttive uses [effuse from hand]

Respect & Adoration

$$\frac{1 - \left(1 + \frac{1}{n}\right)^n}{\left(\frac{1}{n}\right)} = 1$$

rough Room = N

surface area = S

C = initial cost

D = price of student

per year

D = price of different solution

sum of compound interest = sum of simple interest

possible or F

if the first effect is that the sum compound interest is more than the sum of simple interest

thus we get drop in the sum from P if it is collected in n parts

now if we consider the compound interest for the first part then the sum will be

How to calculate
margin of safety

$$\text{Margin of Safety} = \frac{3.080 - 1}{1250} =$$

$$\frac{1 - 0.05}{\frac{15000 - 15000}{5000}} = 0.0 =$$

$$\frac{1 - \frac{1}{5}(8+1)}{5} = 4$$

⑥ profit margin by selling by absorption costing
if ~~5%~~ 5% is
based on the production cost and the
sales value of 15000.

It means
the price of milk is 15000 and the
example of
the M/C is produced based fee Rs 10000.

~~tertiated~~ happens
that's what I'm going to do.
years would be longer to implement (a)

the following diagram illustrates the relationship between the various components of the system. The input to the system is the measured concentration of the analyte (C_{in}). This signal is fed into the detector, which produces an electrical signal proportional to the concentration (I). The detector signal is then processed by the signal processing unit, which includes a preamplifier and a feedback loop. The output of the signal processing unit is the corrected concentration (C_{corr}), which is then used to calculate the sample concentration (C_s) using the calibration curve ($y = f(x)$). The sample concentration is also fed back into the signal processing unit to provide feedback to the detector. The final output of the system is the measured concentration (C_{out}).

for each set of
points and calculate the slope of
the line through the set
of points. Then find the
slope.

Now when we have found the
slope of each set of points,
we will use the formula
 $y = mx + b$ to find the
equation of the line.
This is called the
linear equation.

Another way to find the
slope of each set of points
is to use the formula
 $m = \frac{y_2 - y_1}{x_2 - x_1}$

Since the same slope must be
true for all the points in the
linear equation.

points in which it is similar
to the R.I.T. to some extent
but it is not as good as the
R.I.T. because it is not as
precise and it does not have
the same level of accuracy.
The main difference is that
the R.I.T. is more accurate
and precise than the N.P.Y.
because it uses a different
methodology to calculate the
parameters. The R.I.T. uses
a statistical method called
"Maximum Likelihood Estimation"
which involves fitting a curve
to the data points. This method
is based on the principle of
maximum likelihood, which
states that the parameters
that provide the best fit to the
data are the ones that are most
likely to have been generated
by the underlying process.
The N.P.Y., on the other hand,
uses a different approach called
"Bayesian Inference". This
method involves specifying
prior knowledge about the
parameters and then updating
it based on the observed data.
The N.P.Y. is less accurate
than the R.I.T. because it is
based on a subjective prior
knowledge, which may not
be representative of the true
parameters. However, it is
more flexible than the R.I.T.
because it can incorporate
prior knowledge in a more
natural way. The R.I.T.,
on the other hand, is more
rigorous and objective, but
it may not be as accurate
as the N.P.Y. in some cases.
In conclusion, both methods
have their own advantages
and disadvantages, and the
choice between them depends
on the specific requirements
of the application. The R.I.T.
is better suited for applications
where the data is large and
the parameters are well
defined, while the N.P.Y.
is better suited for applications
where the data is small and
the parameters are not well
defined.

$$0.6209 = \frac{0.6(1+1)}{1-0.6(1+1)} = N$$

and 5 min. from now.

$$0.909 = \frac{1(1+1)}{1-1(1+1)} = N$$

After 1 min. will we have

now we will be accurate to a hour
and about 1 or 2 minutes to 2 hours

$$N = \frac{1(1+1)}{1-1(1+1)} = N$$

by now if you look at the log

With the draw back of the same as
 being to large for a separation
 a small percentage of solution is
 used of the week.

The right bulb which from a week
 is composed of the
 draw back in a week

~~Assume~~

mean of all masses on
 $T_0 = 0$
 $c = T$
 $0 = T_x$

$$\Sigma 0.0 = \pm 6.0 - 00.1 = 1$$

$$T.0 = 58.0 - \pm 6.0 = 52$$

$$\Sigma 0 = 64.0 - 58.0 = 6$$

$$12.0 \in 56.0 - 54.0 = 2$$

~~reject~~
 mean of all
 $\Sigma 0.0 = 0.0 - 52.0 = 2$
 $50.0 = 1$

If the following is
 total bulb is 100
 solution ~~assumed~~
~~(9)(L)~~

$\Rightarrow 260$

$$1000 \times 0.12 + 90 \times 0.36 + 269 \times 0.24 + 432 \times 0.16 + 274 \times 0.09$$

$$N_6 = N_6 P_6 + N_1 P_5 + N_2 P_4 + N_3 P_3 + N_4 P_2 + N_5 P_1$$

$\Rightarrow 274$

$$1000 \times 0.12 + 90 \times 0.36 + 168 \times 0.24 + 269 \times 0.16 + 432 \times 0.09$$

$$N_5 = N_0 P_5 + N_1 P_4 + N_2 P_3 + N_3 P_2 + N_4 P_1$$

$$\overbrace{1000 \times 0.36 + 90 \times 0.24 + 168 \times 0.16 + 269 \times 0.09}^{\Rightarrow 432}$$

$$N_4 \leftarrow N_0 P_4 + N_1 P_3 + N_2 P_2 + N_3 P_1$$

$$1000 \times 0.24 + 90 \times 0.16 + 168 \times 0.09$$

$$N_3 = N_0 P_3 + N_1 P_2 + N_2 P_1$$

$$\overbrace{816}^{\Rightarrow} = 1000 \times 0.16 + 0.9 \times 90$$

$$N_2 \in N_0 T_2 + N_1 P_1$$

$$\overbrace{90}^{\Rightarrow} = N_0 P_1 = 1000 \times 0.9$$

just week

$$N_0 = N_2$$

$$N_0 = \text{at } 0 \text{ week}$$

N_i = number of cells formed at i week

at

week just that sub-population

The affected parameters of failure during the

$$\text{GCF of } 144 \text{ and } 162 = 3 \times 2^3 = 24$$

$$\text{Profit per unit} = \frac{\text{Selling Price}}{\text{Variable Cost}} - \text{Contribution Margin}$$

$$Tx_0.09 + 2x_0.16 + 3x_0.24 + 4x_0.36 = 3.35$$

$$+ 5x_0.12 + 6x_0.03 = 3.35$$

A vector \vec{r} = position vector from origin to point P

each week we can say that one of the following
each week we can say that one of the following
each week we can say that one of the following
each week we can say that one of the following
each week we can say that one of the following

so $\text{sum} = 8N$

162

260.00 x 0.02 =

$$= 100.0 \times 0 + 165.9 \times 0.03 + 168.0 \times 0.1 + 269 \times 0.36 + 432 \times 0.4 + 274 \times 0.16$$

$$N^6P_4 + N^1D_2 + N^2S + N^3P_1 + N^4S + N^5D_2 + N^6D_3$$

$$x > 1.02$$

$$\frac{z}{(g_0 + 168) \Sigma + 3(g_0 + 168)} < 1000x^2 \Rightarrow 168 \Sigma$$

If x is to be the group bullet
supplement point (9)

the AV. minimum cost in the 2nd week

is obtained to have a group supplement

$$= 228$$

$$1000x^2 \Sigma + 3(g_0 + 168 + 228)$$

$$= 260.33$$

$$= 1444$$

$$1000x^2 \Sigma + 3(g_0 + 168)$$

$$= 1374$$

$$= 970$$

Average cost
per week

$$1000x^2 \Sigma + 3(g_0 + 168)$$

$$= 1122$$

of individual bullet cost is thus

cost of E. To per bullet and supplement

supplement of 1000 bullet in one operation.

Total cost of
group supplement

End of week

T

Z

S