

## ACTIVITY ON NODE

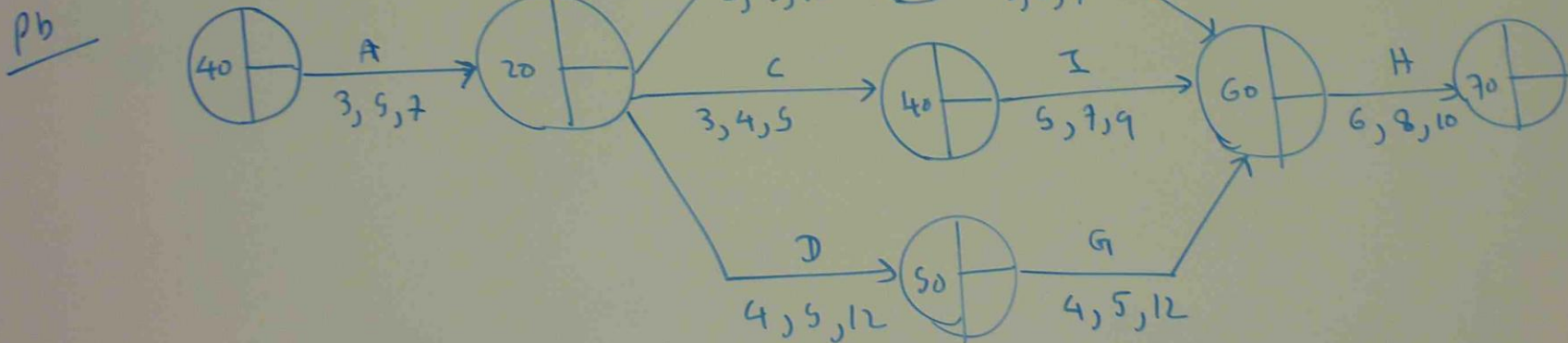
- EASIER TO PREPARE AND MODIFY
- EASIER TO SHOW COMPLEX RELATIONSHIPS
- NON EXPERTS HAVE A BETTER CHANCE OF UNDERSTANDING THE NETWORK.
- NO DUMMY ACTIVITIES
- MILESTONE EVENTS ARE EASILY MARKED
- CAN FIND OUT WHERE THERE ARE MULTIPLE PRECEDENCE RELATIONSHIPS
- ALL INFORMATION ABOUT THE ACTIVITIES IS CONTAINED WITHIN THE BOX. EASIER TO ENSURE THE RIGHT NUMBERS ARE ASSOCIATED WITH THE RIGHT ACTIVITY.

OPTIMISTIC TIME ( DETERMINE THE COMPLETION TIME WITH JUSTIFICATION ) = O

MOST LIKELY TIME ( BASED ON PAST EXPERIENCE ) = M

POSSIMISTIC TIME ( BASED ON CURRENT SITUATION THE TIME IS AFFECTED ) = P

$$\text{EXPECTED TIME} = \frac{O + 4M + P}{6}$$



DESCRIBE OPTIMISTIC TIME, MOST LIKELY TIME AND POSSIMISTIC TIME FOR ACTIVITIES A TO I AND CALCULATE THE EXPECTED TIME FOR THEM.

ACTIVITY	OPTIMISTIC TIME (O)	MOST LIKELY TIME (M)	PESSIMISTIC TIME (P)	EXPECTED TIME
A	3	5	7	$\frac{3 + 4 \times 5 + 7}{6} = 5$
B	2	3	10	$\frac{2 + 4 \times 3 + 10}{6} = 4$
C	3	4	5	$\frac{3 + 4 \times 4 + 5}{6} = 4$
D	4	5	12	$\frac{4 + 4 \times 5 + 12}{6} = 6$
E	5	6	7	$\frac{5 + 4 \times 6 + 7}{6} = 6$
F	5	7	9	$\frac{5 + 4 \times 7 + 9}{6} = 7$
G	4	5	12	$\frac{4 + 4 \times 4 + 12}{6} = 6$
H	6	8	10	$\frac{6 + 4 \times 8 + 10}{6} = 8$

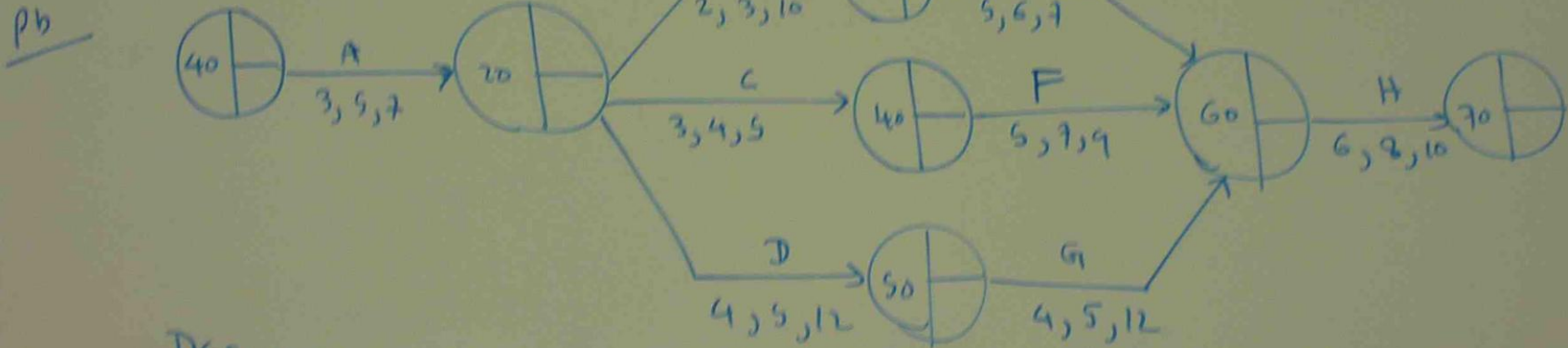


OPTIMISTIC TIME ( DETERMINE THE COMPLETION TIME WITH JUSTIFICATION ) = O

MOST LIKELY TIME ( BASED ON PAST EXPERIENCE ) = M

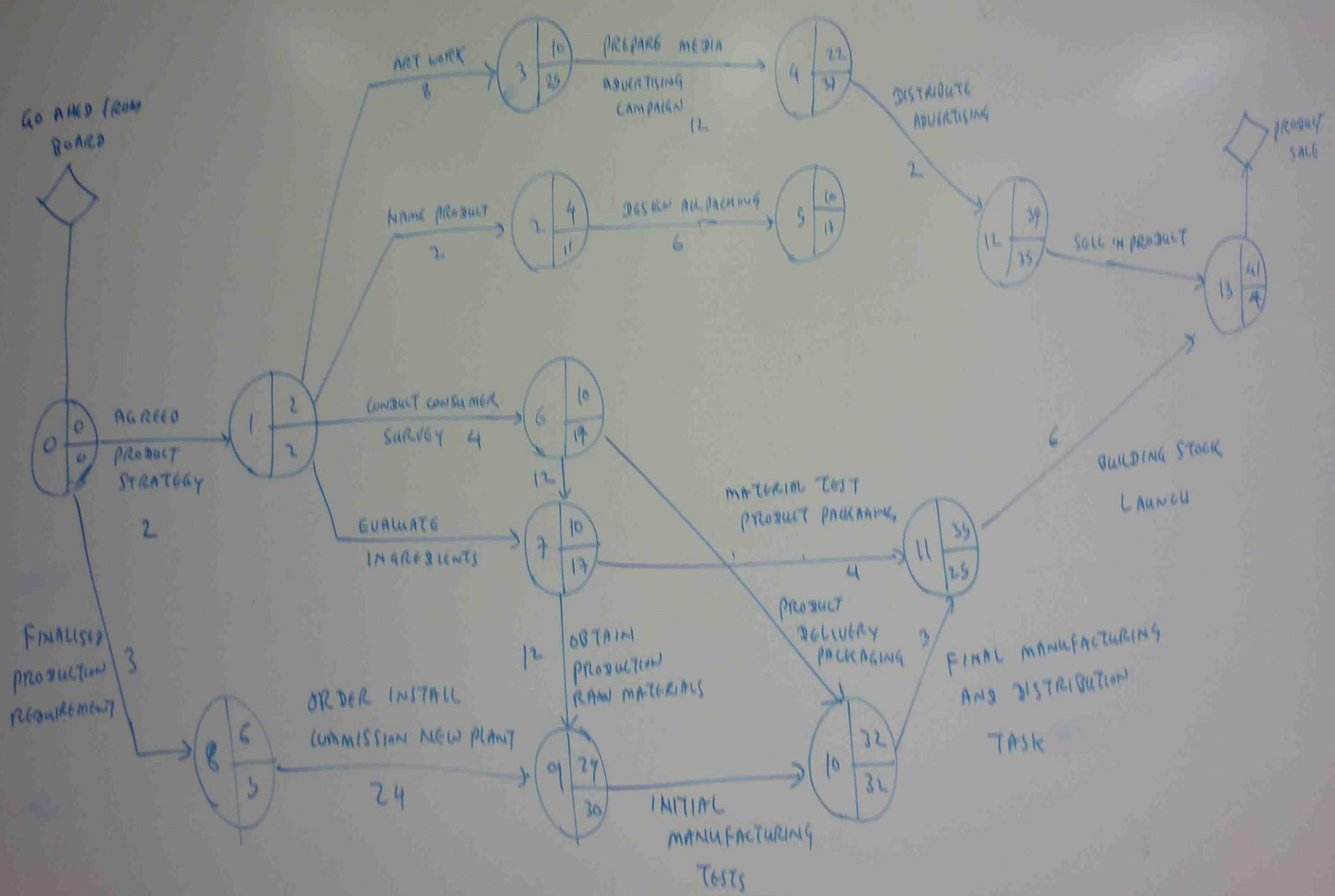
POSSIMISTIC TIME ( BASED ON CURRENT SITUATION THE TIME IS AFFECTED ) = P

$$\text{EXPECTED TIME} = \frac{O + 4M + P}{6}$$

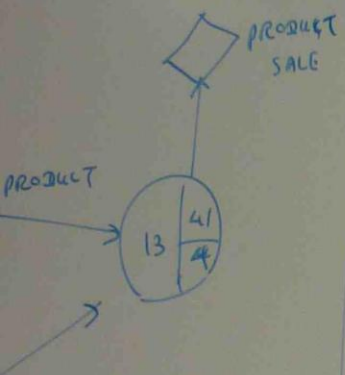


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UNCH

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## COST PLANNING

INPUT - THE PROJECT BRIEF CAN BE CHANGED BY THE CUSTOMER.  
THE LONGER THE PROJECT DURATION, THE MORE LIKELY  
THERE ARE TO BE SIGNIFICANT CHANGES.

CONSTRAINTS - ARRAY OF THE LIST PROVIDES A DEGREE OF  
UNCERTAINTY

MECHANISM - THE AVAILABILITY OF PEOPLE AND THE STATE OF  
TECHNOLOGY.

## THE NATURE, RATE AND AC

NAME	NATURE
ROUGH, FINGER	MUCH UNCERTAIN WHICH IS IN
AS - BUT	AS WAS CARRIED PREVIOUSLY THE FOLLOWING SOME QUALITY EXISTS
TO FINISH	MUCH OF COMPLETED ADDITIONAL IS NEEDED THE TASK

ING

BRIEF CAN BE CHANGED BY THE CUSTOMER.  
THE PROJECT DURATION, THE MORE LIKELY  
TO BE SIGNIFICANT CHANGES.

OF THE LIST PROVIDES A DEGREE OF  
TY  
ABILITY OF PEOPLE AND THE STATE OF

THE NATURE, RATE AND ACCURACY OF ESTIMATE TYPES

NAME	NATURE	FACT
Rough, finger	MUCH UNCERTAINTY AS TO WHICH IS INVOLVED	FEASIBILITY STUDY
AS - BUT	AS WAS CARRIED OUT PREVIOUSLY BUT WITH THE FOLLOWING AMENDMENTS SOME QUANTITATIVE DATA EXISTS	WITH APPROPRIATE CONTINGENCY FACT, CAN BE USED FOR PROPOSAL
To finish	MUCH OF PROJECT IS COMPLETED AND ADDITIONAL FUNDING IS NEEDED TO COMPLETE THE TASK	ADDITIONAL FUND REQUEST

COST

(1) GROUND  
THE ESTI  
STRUCTURE

(2) TOP - D  
CERTAIN  
PROJECT A

TOP

COSTS FIXED  
EXTERNALLY  
TO PROJECT



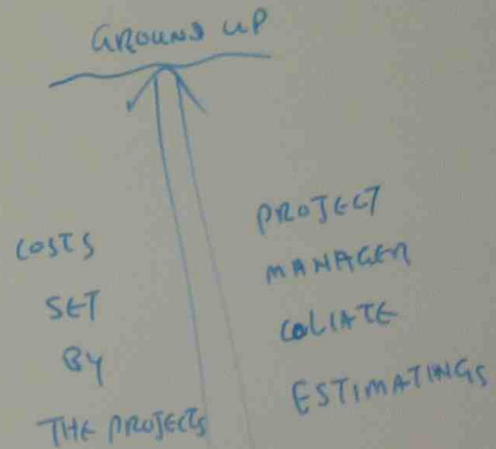
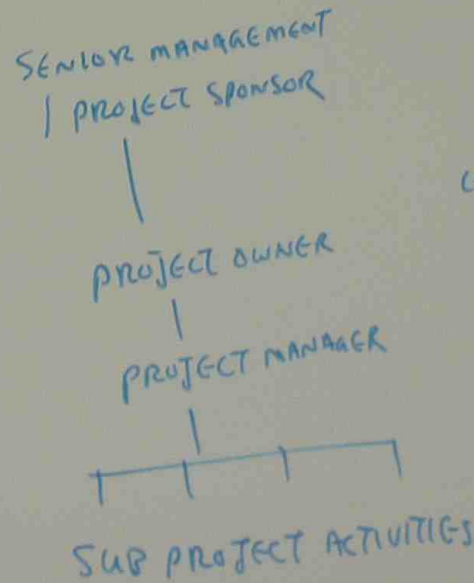
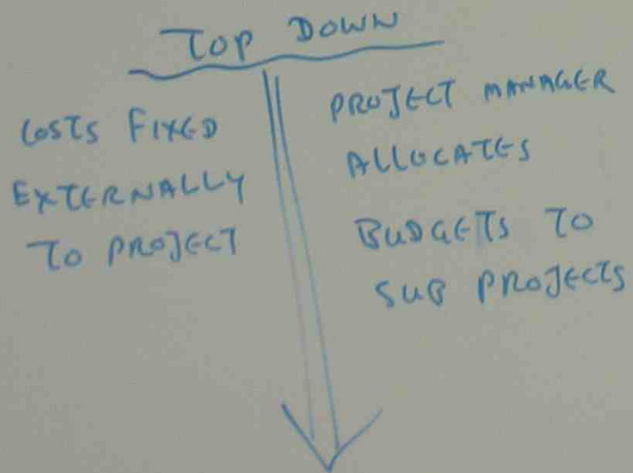
# COSTING PROPOSAL

## (1) GROUND UP COSTING

THE ESTIMATE OF EACH LEVEL IN THE WORK BREAKDOWN STRUCTURE ARE COMPILED AND ADDED TOGETHER

## (2) TOP-DOWN COSTING

CERTAIN AMOUNT OF MONEY IS ALLOCATED TO THE PROJECT AND THEN IT IS SPLIT BETWEEN SUB PROJECTS



TIME - THE DIRECT INPUT OF LABOUR INTO  
ACTIVITIES

MATERIALS - ITEMS USED IN PROJECT

CAPITAL EQUIPMENTS

INDIRECT EXPENSES - TRANSPORTATION | TRAINING

OVER HEAD - PROVISIONS OF AN OFFICE, FINANCIAL AND  
LEGAL SUPPORT MANAGERS AND  
OTHER STAFF.

