

CRITICAL PATH METHOD
ALVARO GAVILÁN ROJAS

version = 1.3

MAIN DATA

M :=

"ACTIVITY"	"PRECEDENCE"	"DURATION"
"START"	" "	0
"A"	"START"	12
"B"	"START"	12
"C"	"START"	12
"D"	"B, C"	9
"E"	"A, D"	19
"F"	"D"	13
"G"	"F, E"	17
"H"	"E"	13
"I"	"S"	13
"J"	"E"	13
"K"	"Q, J"	13
"L"	"I, K"	9
"M"	"P, H"	9
"N"	"I"	9
"O"	"I"	10
"P"	"I, K"	13
"Q"	"G"	15
"R"	"G"	13
"S"	"Q, R"	19
"T"	"L, M, N, O"	13

+

CRITICAL PATH(S)

$$CP = \left[\begin{array}{l} ["B" "D" "E" "G" "Q" "S" "I" "P" "M" "T"] \\ ["C" "D" "E" "G" "Q" "S" "I" "P" "M" "T"] \end{array} \right]$$

PROJECT DURATION

$$TT = 139$$

RESULT

R =

"ORD"	"ACT"	"ES"	"EF"	"LS"	"LF"	"SL"
1	"A"	0	12	9	21	9
2	"B"	0	12	0	12	0
3	"C"	0	12	0	12	0
4	"D"	12	21	12	21	0
5	"E"	21	40	21	40	0
6	"F"	21	34	27	40	6
7	"G"	40	57	40	57	0
8	"H"	40	53	104	117	64
9	"I"	91	104	91	104	0
10	"J"	40	53	78	91	38
11	"K"	72	85	91	104	19
12	"L"	104	113	117	126	13
13	"M"	117	126	117	126	0
14	"N"	104	113	117	126	13
15	"O"	104	114	116	126	12
16	"P"	104	117	104	117	0
17	"Q"	57	72	57	72	0
18	"R"	57	70	59	72	2
19	"S"	72	91	72	91	0
20	"T"	126	139	126	139	0

REFERENCES

"ES"	"EARLY START"
"EF"	"EARLY FINISH"
"LS"	"LATE START"
"LF"	"LATE FINISH"
"SL"	"SLACK"