

Activity	0	В	C	D	E	F	G	H
	A		A	В	B	C,D	CIDIE	F
Predecenos			6	1	1	1	1	
to	1	2		+	1	5	2	2
t m	2	2	7	2	4			9
+p	3	8	8	3	7	9	3	
	(2	!	9		14		17
]	2	·	9	F		H	4)
0	A	2)-	1	→(4)=	5	(6)=	3	7
00			'/	/				
		5		, ()	6		
	3	D	v	í	,	2		
B	7	3	4	X		, N		
	(3)—	E	7(5)-				
	17			15				
	3			19				

critical path = 1-2-4-6-7Durad along critical path = 2+7+5+3=17 weeks.

Variance along critical path = $6\cdot11+6\cdot11+1\cdot77+1\cdot77=3\cdot76$ So std. deviath = $\sqrt{3\cdot76}$ = $1\cdot939$

te = to + 4 tm + tp

6 (variance) =
$$\begin{bmatrix} \frac{t_p-t_0}{6} \end{bmatrix}^2$$
874 deviation $\sigma = \frac{t_p-t_0}{6}$

$$z = \frac{7s-9e}{6}$$

Activity	to	t m	tp	4 tm	te	0	52
A	l	2	3	8	2	0.33	0.11
В	2	2	8	8	3	mr.Phore	1
C	6	7	8	28	7	0.33	0-11
D	١	2	3	8	2	0.33	0.11
E.	١	4	7	16	4	1	1
F	1	5	9	20	5	1.33	1-77
G.	1	2	3	08	2	0,33	0.11
Н	7	2	9	68	3	1.33	1.77

① Expected Project duredion if Prob =
$$93.3 \pm 221.5$$

$$Z = \frac{T_S - T_E}{2}.$$

$$1.5 = \frac{T_S - 17}{1.939} ... T_S = 19.908 weeks.$$

(3)
$$P = 0.9 \le Z = -2.4$$

 $= -2.4 = \frac{7s - 17}{1+939} = 7s = 12.35 weekg.$