23-52-02

Q: (a) NAD + forward + backword

(b) critical path

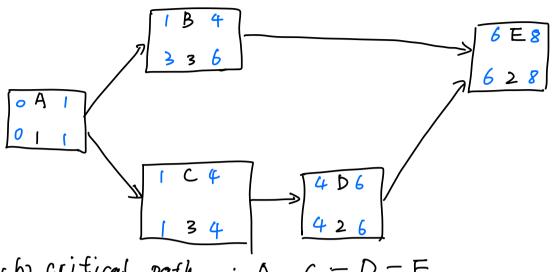
cc) EV, SPI week 7

cd) ETC

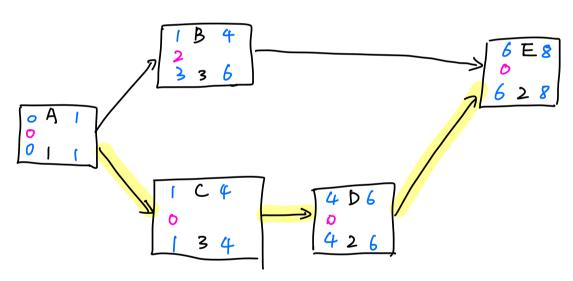
ce) CPI

(f) ECC

Solution (a)



(b) critical path: A-C-D-E



EV = 5 x100% + 10 x 90% + 12 x50% + 15 x 40% + 14 x0% = 5+9+6+6+0 = 26

$$SPI = \frac{EV}{PV} = \frac{26}{48} = 0.5417$$

$$=\frac{8}{0.5417}$$

So, estimated Time to completion is about 15 weeks

(e)
$$AC = 37+3 = 40$$

$$CPI = \frac{EV}{AC} = \frac{26}{40} = 0.65$$

So, the estimated cost for completion

is about 86 t dollars.