**EVM**

CV = EV (Earned Value\Budget Cost) – AC (Actual Cost)

SV = Value of work performed (AC) – PV (Budget cost)

CPI = EV / AC

SPI = AC / PV

EV = SV + PV

EAC = BAC (Total Original budget) / CPI

* After 7 months the total spent should be:

600+1200+(400/2) +(1200/3) = 2400 K$

Actual total spent = 600+1400+200+500 = 2700 K$

So after 7 months the project is **over budget**.

* After 7 months we should be done with Task 1 and 2, and we should be done with task 3 and 66% done with task 4. Since we’re only halfway through in task 3 and third of the way through task 4 **then we are 1 month behind schedule**
* At the end of the project if only task 4 and 2 we’re the only two tasks that are over budget and the other tasks used the budgets as planned then we will be over budget by 200+100 = 300 K$
* Assuming we are calculating up until the 7 months of work
  + CV = (600+1200+(400/2)+(1200/3)) – (600+1400+200+500) = -300 K$
  + SV = (600+1400+200+500) - (600+1200+(400/2)+(1200/3)) = 300 K$
  + EV = 300 + (600+1200+(400/2)+(1200/3)) = 2700
  + CPI = 2700/2700 = 1
  + SPI = 2700/2400 = 1.125
  + EAC = 2400/1 = 2400