Conventional Method:

E=?

LOC=5500

B=1

P=150

T= 7 months

E= [LOC \*B0.333/P]3\*(1/t4)

=[5500\*]3\*(1/74)

=20.53

COCOMO MODEL:

For semi detached:

Coefficient=3  
T=0.35

P=1.12  
SLOC=5500  
 Effort=PM= Coefficient\*(SLOC/1000)P

=3\*5.51.12=20.25

DM=2.5\*20.250.35=7.16

Required number of people=ST=PM/DM=20.25/7.16=2.83