Crashing

KGP Inc. has been hired by a customer to produce a project detailed by the information below. The contract with the customer specifies that if project is completed within 19 days then KGP will receive an additional $250. Describe how this may be accomplished.

Act	Imm Pred	(Days) Normal Time	Crash Time	Normal Cost	Crash Cost	Periods Available to Crash	Crash Cost per period
A	-	3	1	$ 600	$1,000		
B	-	8	7	$ 700	$ 800		
C	A,B	7	6	$ 300	$ 400		
D	C	4	3	$ 200	$ 275		
E	C	3	3	$ 500	$ 500		
F	D,E	2	1	$ 500	$ 750		

Calculate the number of periods available and the cost per period to crash for each activity.

a. How many periods are available to crash for activity A?
b. Which path is the *Critical Path* (draw diagram to help)?
c. What is the total cost to crash for KGP, Inc. to accomplish 19 days?
d. Based on your cost to crash, Do you recommend KGP condenses the schedule (Is the cost of crashing less than financial incentive in the contract)?