A<- (1) -> C
E<- (2) -> F
F<- (2) -> H
C<- (3) -> D
H<- (3) -> I
A<- (4) -> B
A<- (4) -> D
E<- (4) -> H
B<- (5) -> C
E<- (6) -> I
B<- (7) -> G
F<- (8) -> G
G<- (8) -> J
B<- (9) -> E
B<- (9) -> F
G<- (9) -> H
H<- (9) -> J
I<- (9) -> J
D<- (10) -> G
D<- (18) -> J