

## 1. Relationship Table

Task ID	Task	Task Duration (mins)	Immediate Predecessors
A	Start	0	
B	Buy bread	10	A
C	Buy vegetables	10	A
D	Buy cheese	10	A
E	Buy butter	10	A
F	Buy chicken	10	A
G	Cook chicken	20	F
H	Chop vegetables	5	C
I	Toast bread	5	B
J	Spread butter on bread	5	I
K	Add vegetables	5	H
L	Add chicken	5	G
M	Add cheese	5	D
N	Combine bread slices	2	J, K, L, M
O	Finished sandwich	0	N

- Construct a project network. 5
- Perform forward and backward passes. 10
- Determine project completion time. 1
- Calculate slack values. 2
- State the critical path. 2

#cook chicken task duration = last digit of your id + 12;