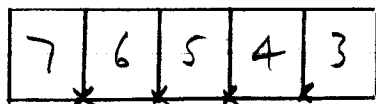


2) i) a) A, B, C, D, E, F, G

$${}^7P_5 = 7 \times 6 \times 5 \times 4 \times 3 = 2,520$$

or



b)

				A
6	5	4	3	1
*	*	*	*	

$$= 360$$

+

+

				E
6	5	4	3	1
*	*	*	*	

$$= 360$$

720 end in A or E

2) ii) a) ${}^7C_5 = 21$

b) Arrangements with neither Jill nor Jo = ${}^5C_5 = 1$

Arrangements with both Jill and Jo = ${}^5C_3 = 10$

(choosing 3 people to go with Jill and Jo)

Given that 1 of these 11 arrangements occurred
the probability both Jill and Jo were chosen = $\frac{10}{11}$