Rough A = [] | b = [] $\frac{x}{n(n+1)(2n+1)}, x =$

3)
$$\begin{bmatrix} 1 & \frac{1}{16} & \frac{1}{16} \\ 6 & \sqrt{1} &$$

7) x 5 x > 0 » positive elef matrix

: can't have -ve eigen values.

: -3, -2 can't be eigen values.

F

10) # ways E & F not adjacent = # total - # E & F are adjacent = $\frac{8!}{1!}$ + 8! - $[6+1)! \times 2$ = 8! - $2 \times 7!$ = 8! - $\frac{1}{4} \times 8!$ = $\frac{3}{4} \times 8!$

CZ

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