

$$P(S) = \frac{2}{3}$$

$$P(S) = \frac{2}{3}\left[1 + \frac{1}{3}\right] = \frac{8}{9}$$

$$P(S) = \frac{2}{3}\left[1 + \frac{1}{3} + \left(\frac{1}{3}\right)^2\right] = \frac{26}{27}$$

$$P(S) = \left(\frac{2}{3}\right)^2\left[1 + 2\left(\frac{1}{3}\right) + 3\left(\frac{1}{3}\right)^2\right] = \frac{8}{9}$$

AA

$$\frac{2}{3}\frac{2}{3}$$

ALA

$$\frac{2}{3}\frac{1}{3}\frac{2}{3}$$

LAA

$$\frac{1}{3}\frac{2}{3}\frac{2}{3}$$

ALLA

$$\frac{2}{3}\frac{1}{3}\frac{1}{3}\frac{2}{3}$$

LLAA

$$\frac{1}{3}\frac{1}{3}\frac{2}{3}\frac{2}{3}$$

LALA

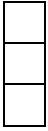
$$\frac{1}{3}\frac{2}{3}\frac{1}{3}\frac{2}{3}$$

$$P(S) = \left(\frac{2}{3}\right)^2$$

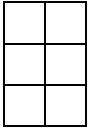
$$P(S) = \left(\frac{2}{3}\right)^2\left[1 + 2\left(\frac{1}{3}\right)\right]$$

$$P(S) = \left(\frac{2}{3}\right)^2\left[1 + 2\left(\frac{1}{3}\right) + 3\left(\frac{1}{3}\right)^2\right]$$

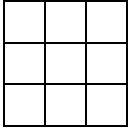
$$P(S) = \left(\frac{2}{3}\right)^2\left[1 + 2\left(\frac{1}{3}\right) + 3\left(\frac{1}{3}\right)^2 + 4\left(\frac{1}{3}\right)^3\right]$$



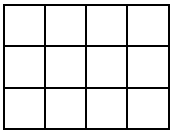
$$P(S) = \left(\frac{2}{3}\right)^3$$



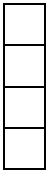
$$P(S) = \left(\frac{2}{3}\right)^3 \left[1 + 3 \left(\frac{1}{3}\right)\right]$$



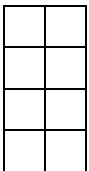
$$P(S) = \left(\frac{2}{3}\right)^3 \left[1 + 3 \left(\frac{1}{3}\right) + 6 \left(\frac{1}{3}\right)^2\right]$$



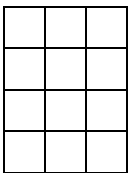
$$P(S) = \left(\frac{2}{3}\right)^3 \left[1 + 3 \left(\frac{1}{3}\right) + 6 \left(\frac{1}{3}\right)^2 + 10 \left(\frac{1}{3}\right)^3\right]$$



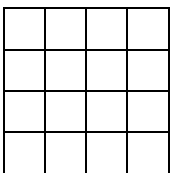
$$P(S) = \left(\frac{2}{3}\right)^4$$



$$P(S) = \left(\frac{2}{3}\right)^4 \left[1 + 4 \left(\frac{1}{3}\right)\right]$$



$$P(S) = \left(\frac{2}{3}\right)^4 \left[1 + 4 \left(\frac{1}{3}\right) + 10 \left(\frac{1}{3}\right)^2\right]$$



$$P(S) = \left(\frac{2}{3}\right)^4 \left[1 + 4 \left(\frac{1}{3}\right) + 10 \left(\frac{1}{3}\right)^2 + 20 \left(\frac{1}{3}\right)^3\right]$$


$$P(S) = \left(\frac{2}{3}\right)^4 \left[ 1 + 4 \left(\frac{1}{3}\right) + 10 \left(\frac{1}{3}\right)^2 + 20 \left(\frac{1}{3}\right)^3 + 35 \left(\frac{1}{3}\right)^4 \right]$$


$$P(S) = \left(\frac{2}{3}\right)^4 \left[ 1 + 4 \left(\frac{1}{3}\right) + 10 \left(\frac{1}{3}\right)^2 + 20 \left(\frac{1}{3}\right)^3 + 35 \left(\frac{1}{3}\right)^4 + 56 \left(\frac{1}{3}\right)^5 \right]$$

Triangolo di Tartaglia

								1									
							1		1								
						1		2		1							
					1		3		3		1						
				1		4		6		4		1					
			1		5		10		10		5		1				
		1		6		15		20		15		6		1			
	1		7		21		35		35		21		7		1		
1		8		28		56		70		56		28		8		1	