	Jame Street Pazzle - Amount 2024 (Tree-color Tringe) ; Solution by Nicholar Patel	
_	Let P = IP (an edge is labelled A) and let Q = O(P) = IP (Auron wire where each edge A with probability P)	
	we wish to find the responses of men that O(p) > 0.	
	Consider the first his of each player:	
	(Ao.+)	
	Anxan's of Anxan for win, there must be at least one of the star	et lesst.
	And the second of the second	
	han of b of b	
	Since both player know all the art, Betzh will always choose the lash, path (fait Auron)	
	where possible In open wards, Aaron olds wins if all possible action for Beten lead to him winn	ins.
	Thur, returning since the Here is infinished hig,	
	$0 = (2\rho^3 - 2\rho^6) O^2 + (\rho^6) - [1 - (1 - o^2)^2]$	
<i>y</i>	=> 0 = 2p302 - 21602 + p6 (202-04)	
	⇒ 0 = Zp302 - p604	
	0=0 is always a root, but we wood to find the missimm p for which associate parities root oxists.	
	Graphrally, the security at do =0	
	=> 1 = 4013 + 602 p2 do - 403 p6 - 604 p5 do	
_	= 1 = 40p3 - 403p6	
	Oxymally, we had 0 = 2p302 - p604 => 1 = 2p30 - p603 (0 +0)	
	Solving smilteneously, $O^3 p^6 = \frac{1}{2}$ and $Op^3 = \frac{3}{4}$.	
. v	$(00^3)^3$ $(\frac{3}{5})^3$	
	Thus, $\beta^3 = \frac{(\omega \rho^3)^3}{\omega^3 \rho^6} = \frac{\left(\frac{3}{4}\right)^3}{\frac{1}{2}} = \frac{27}{32}$	
	$\text{Yieldns} P = 3 \int \frac{27}{32} = 0.945 (3xf)$	