## 23.09.21. Buleocpapel. By or commapa 2

74, Та... (0 < Т. с. Т. ) - спут моменяя времен, в когорог происходот страновае спутах. ROLLOBULEM DI = TI; DI = TI-TI-1; 132.

{Ai}-незав одници растр. величино, ког принимено гольно услог полош значения. 4(2) = M( 7 si) = 5 pr 2 K

9i = Bep-8 7010, 4mo & momens t=i Mongoisger char congrad.

## Э) Маста празв рушь верлей до.

Решение: Яомо им R(2) = Е, 9; 2° -произ. 9-чия. Cosame { & t=i nfagousin espax engrais= U { Tm=i}

Ho bee coarnes of Tim=if- Melaborecomoe, The OCTICTZ ....

 $\Rightarrow$   $q_i = \underbrace{\xi}_{m=1}^i P(T_m = i)$ 

Appereix nocuonary A1... Dm - seegal, to nhough pyus ca. ben. Tm = s+...+ sm - pabua (4/2)).

$$\Rightarrow Q(z) = \underbrace{z}_{i=1}^{\infty} 2i z^{i} = \underbrace{z}_{i=1}^{\infty} \left(\underbrace{z}_{m=1}^{i} P(\overline{1}_{m=i})\right) z^{i} = \underbrace{\left(\underbrace{z}_{m+1}^{i} P(\overline{1}_{m=i})\right) z^{i}}_{m=1} = \underbrace{\left(\underbrace{z}_{m+1}^{i} P(\overline{1}_{m+1}\right)}_{m=1} = \underbrace{\left(\underbrace{z}_{m+1}^{i} P(\overline{1}_{m+1}\right)}_{m=1} = \underbrace{\left(\underbrace{z}_{m+1}^{i$$

> \( (2) = \frac{4(2)}{1-4(2)} \) \( \text{ofben:} \)

## (3) Macimu qi, eenu pr=2 p (p+2=1; k>1)

Punemu: Come pr = q x-1p,

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$$\psi(z) = \sum_{i=1}^{\infty} p_i z^i = \sum_{i=1}^{\infty} q^{i} p_i z^i = p_i \cdot \sum_{t=0}^{\infty} (q_i)^t = \frac{p_i}{i - q_i}$$

=> 
$$Q(z) = \frac{\varphi(z)}{1 - \varphi(z)} = \frac{pz}{1 - pz} = \frac{pz}{1 - qz - pz} = \frac{pz}{1 - z}$$

Ho 
$$Q(z) = pz = pz \cdot z = z = z = pzi$$

$$\frac{1-z}{\underbrace{3,9z^{i}}}$$

$$\frac{1-z}{\underbrace{3,9z^{i}}}$$