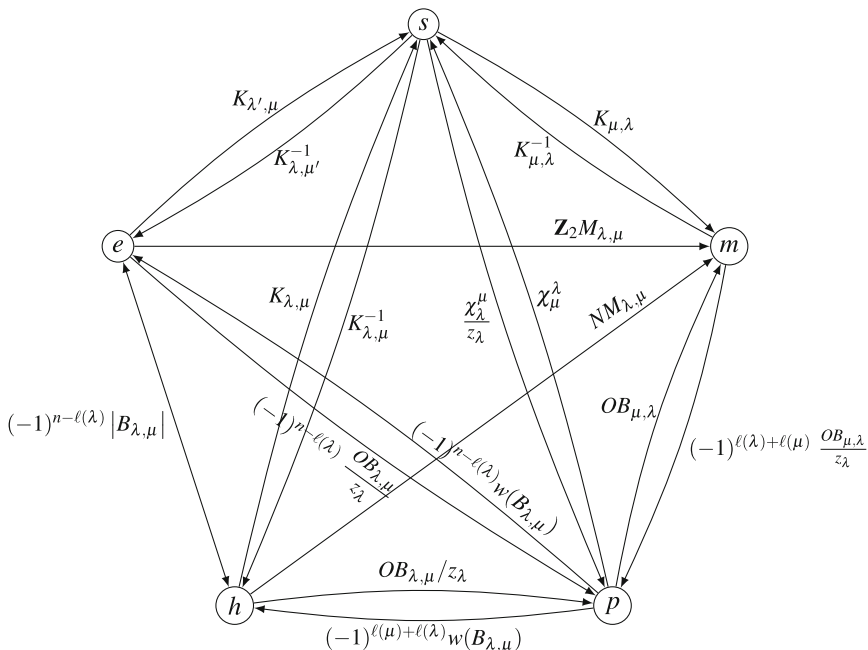


## Appendix A

### Transition Matrices

The  $a$  to  $b$  edge in the following directed graph is labeled with the  $\lambda, \mu$  entry of the  $a$ -to- $b$  transition matrix  $A_{\lambda, \mu}$ . This means  $a_{\mu} = \sum_{\lambda \vdash n} A_{\lambda, \mu} b_{\lambda}$ .



$ B_{\lambda, \mu} $	Brick tabloids of content $\lambda$ , shape $\mu$ (page 50)
$\chi_{\mu}^{\lambda}$	Signed sum of rim hook tableau of shape $\lambda$ , content $\mu$ (Exercise 2.14)
$K_{\lambda, \mu}$	Column strict tableau of shape $\lambda$ , content $\mu$ (page 48)
$K_{\mu, \lambda}^{-1}$	Signed sum of special rim hook tabloids, shape $\lambda$ , content $\mu$ (Ex. 2.15)
$NM_{\lambda, \mu}$	Non-neg. integer matrices, row sum $\lambda$ , column sum $\mu$ (Exercise 2.16)
$OB_{\mu, \lambda}$	Ordered brick tabloids of shape $\lambda$ , content $\mu$ (page 55)
$w(B_{\lambda, \mu})$	Weighted brick tabloids of content $\lambda$ , shape $\mu$ (page 53)
$Z_2 M_{\lambda, \mu}$	0,1 matrices with row sum $\lambda$ , column sum $\mu$ (page 49)
$z_{\lambda}$	If $\lambda$ has $m_i$ parts of size $i$ , $z_{\lambda} = 1^{m_1} 2^{m_2} \dots m_1! m_2! \dots$

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