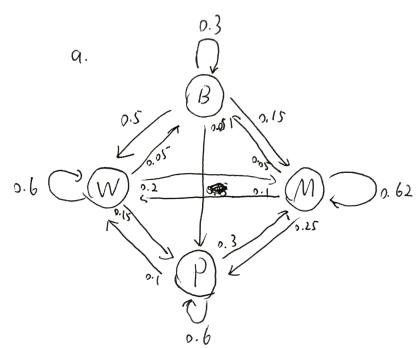
XINRUI ZMANG FECS 592 Projet 5

Z Xinruj

1. Markov Chains:

	В	W	M	P.
ß	٥. ٤	0.5	9. (5	0.05
V	0.05	9.6	9.2	9.15
$\mathcal{M}$	0.03	2. (	0.62	0.25
P	0	2. (	0. 3	0.6



C. M. Xm= { 0, 0, 1, 0} = [0, 8,1,0]

 $X_{M_4} = X_{m_0} \cdot M^4 = [0.0324 0.2100 0.4145 0.3430]$ 

D. W: Xw = {0, 1, 0, 0} = {0 1 00]

XW10 = Xwo-M10 = L0.0336 0.2283 0.3997 0.3385]

e. The Stendy probability redor X exists.

steady state S = [ 0.0334 0.2267 0.4205 0.3395]

According to power Horation and eigenvolve decomposition MT = VAVT

S = Vi V. is the vector according to MT's largest eighvalue.

Asphalt

From from front Surface

Clay

Asphalt

From Grand Slam

A:2 B:1

B

C. Given a the most litely outcome is A

Give b, .... A as well