

```
\begin{cases} M(2,uu) B(3,uu) + N(2,uu) P(3,4,uuu) = 1 \\ M(2,uu) B(3,uu) + N(2,uu) P(3,4,uud) = 1 \\ M(2,ud) B(3,ud) + N(2,ud) P(3,4,udu) = 1 \\ M(2,ud) B(3,ud) + N(2,ud) P(3,4,udu) = 1 \\ M(2,ud) B(3,du) + N(2,ud) P(3,4,udu) = 1 \\ M(2,du) B(3,du) + N(2,du) P(3,4,duu) = 1 \\ M(2,du) B(3,du) + N(2,du) P(3,4,duu) = 1 \\ M(2,du) B(3,dd) + N(2,dd) P(3,4,ddu) = 1 \\ M(2,dd) B(3,dd) + N(2,dd) P(3,4,ddd) = 1 \\ M(2,dd) B(3,dd) + N(2,dd) P(3,4,ddd) = 1 \\ \end{cases}
```

$$\begin{cases} M(2, un) = 0.94823 \\ M(2, un) = 0.94418 \\ M(2, du) = 0.94085 \\ M(2, dd) = 0.93607 \\ M(2, un) = 0 \\ N(2, un) = 0 \\ N(2, un) = 0 \\ N(2, du) = 0 \\ N(2, du) = 0 \\ N(2, du) = 0 \end{cases}$$

```
SM(1,n)B(2,n)+N(1,n)P(2,4,un)=M(2,un)B(2,u)=0.98422

M(1,n)B(2,u)+N(1,u)P(2,4,ud)=M(2,ud)B(2,u)=0.98002

M(1,d)B(2,d)+N(1,d)P(2,4,dn)=M(2,dn)B(2,d)=0.98117

M(1,d)B(2,d)+N(1,d)P(2,4,dd)=M(2,dd)B(2,d)=0.97618
```



M(1, N)= 041154 M(1, d)= 0.40142 N(1, d)= 0.57558 N(1, d)= 0.58451

3M(1, u)B(1, u) + N(1, u)P(1, 4, u) = M(0)B(0) + N(0)P(1, 4, u) = 0.965 | M(1, d)B(1, d) + N(1, d)P(1, 4, d) = M(0)B(0) + N(0)P(1, 4, d) = 0.9572 M(0) = 0.2419 N(0) = 0.7634

P(0,3) = M(0)B(0) + N(0) P(0,4)= 0.947 1

$$\begin{cases}
M(1, n) B(2, n) + N(1, n) P(2, 4, nn) = 1 \\
M(1, n) B(2, n) + N(1, n) P(2, 4, nn) = 0
\end{cases}$$
 $M(1, n) B(2, n) + N(1, n) P(2, 4, nn) = 1 \\
M(1, n) B(2, n) + N(1, n) P(2, 4, nn) = 1
\end{cases}$ 
 $M(1, n) B(2, n) + N(1, n) P(2, 4, nn) = 0$ 
 $M(1, n) = -126.82$ 
 $M(1, n) = -126.82$ 
 $M(1, n) = 137.04$ 
 $N(1, n) = 117.14$ 

 $\begin{cases} M(0)B(0)+N(0)P(1,4,n)=M(1,n)B(1,n)+N(1,n)P(1,4,n)=0.4914\\ M(0)B(0)+N(0)P(1,4,d)=M(1,d)B(1,d)+N(1,d)P(1,4,d)=0.4919 \end{cases}$ 

$$\begin{cases} M(0) = 0.5372 \\ N(0) = -0.0483 \end{cases}$$

P(0,2)= M(0)B(0)+ N(0)P(0,4) \$ 0.49