G1

Tt   tt

G2

Tt   TT

G3

Tt   Tt   TT   TT   Tt

G4

tt

P: Tt x Tt

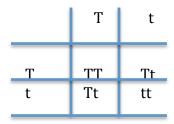|	T	t
T	TT	Tt
t	Tt	tt

TT: 1/4 =25%
Tt: 2/4 = 1/2= 50%
tt: 1/4 = 25%

Therefore there is a 25% chance Ben and Lisa will have a normal baby, 50% of their children will be carriers and 25% of their children have the Tay–Sachs disease.