auestian 1:

Rocky: 2 Km/h

Sandy: 3 km/h

Smooth: 5 km/h



Koute 1:2Km

Rocky: 300 Chance it takes 40 minutes 1 60 minutes

Sandy: 20% Chance it takes 40 minutes

Smooth: 30% Chance it takes 24 minutes

Route 2: 1.8 Km

Kocky: 40% chance it takes 34 minutes

Sandy: 40% chance it takes 36 minutes

Smooth: 20% Chance it takes 21.6 minutes best route

Route 3: 3.1 km

Koute 3:3.1 Km

Rocky: 10% chance it takes 93 minutes

Sandy: 50% Chance it takes 62 minutes Smooth: 40% Chance it takes 37.2 minutes

(.4)(54)+(.4)(36)+(.2)(21.6)=[40.32]

(.1)(93)+(.5)(62)+(.4)(37.2)=55.18Route 3



Normalized Minutes Per Route

We would choose Route 3.

Koute 1 is ~58.7 minutes

Route 2 is ~76.32 minutes

Route 3 is ~55.18 minutes

with new
$$(-\frac{1}{6})(93) + (-\frac{5}{6})(62) = 67.17$$

-Since Route 3 Would not be the shortest utility with the new information, making Route I the best, we Would want to wait no longer than about 3 minutes to find out if Route 3 is smooth or not. The Value Of this new information is worth roughly 3 minutes of our time.

(Part 4 on Q1P4.txt)