Puzzle – 31

Q- Burning Rope Puzzle Puzzle

A car has 4 tyres and 1 spare tyre. Each tyre can travel a maximum distance of 20,000 kilometers before wearing off.

What is the maximum distance the car can travel. You are allowed to change tyres (using the spare tyre) unlimited number of times.

Note: All tyres are used upto their full strength.

My Approach and Solution –

If we change the tyres after every 5000 km and keep on rotating the tyres, then we could drive at least **25000km.**