

Input Data - SNP (Single Nucleotide Polymorphism)



Go to NCBI and look for Human Genome Data, which includes our SNP (2 kb are enough, 1 kb before SNP, 1 after SNP)



Look for Adapters for both DNA chains



Look for all possible Primers



Find, how far those primers from our SNP



Find all primers, which match with our DNA sequence and get rid of them, because they are not specific



Simulating STEP by Python code