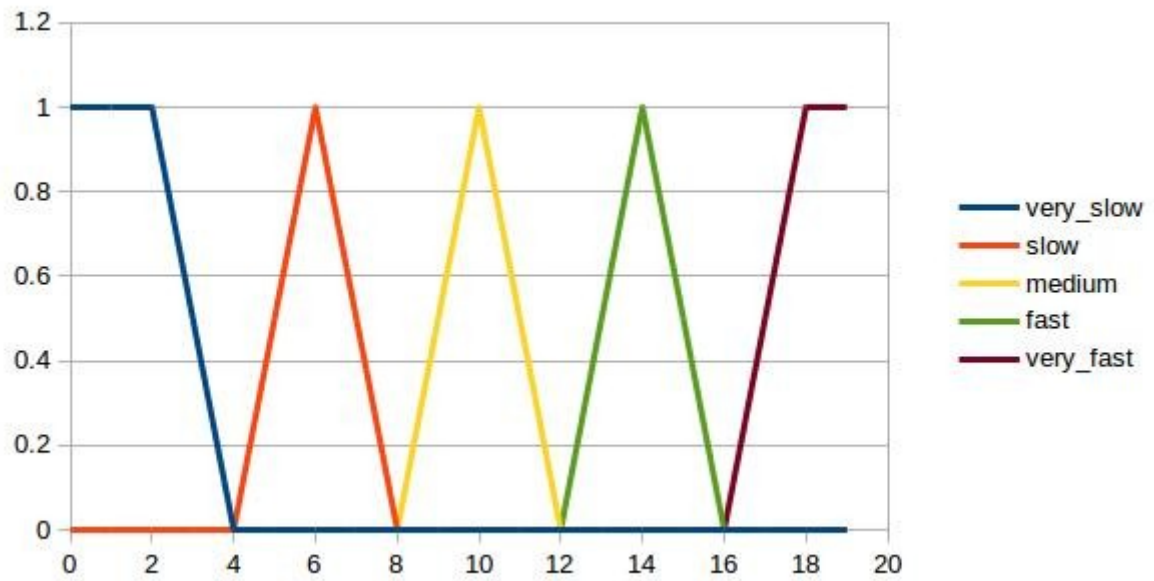
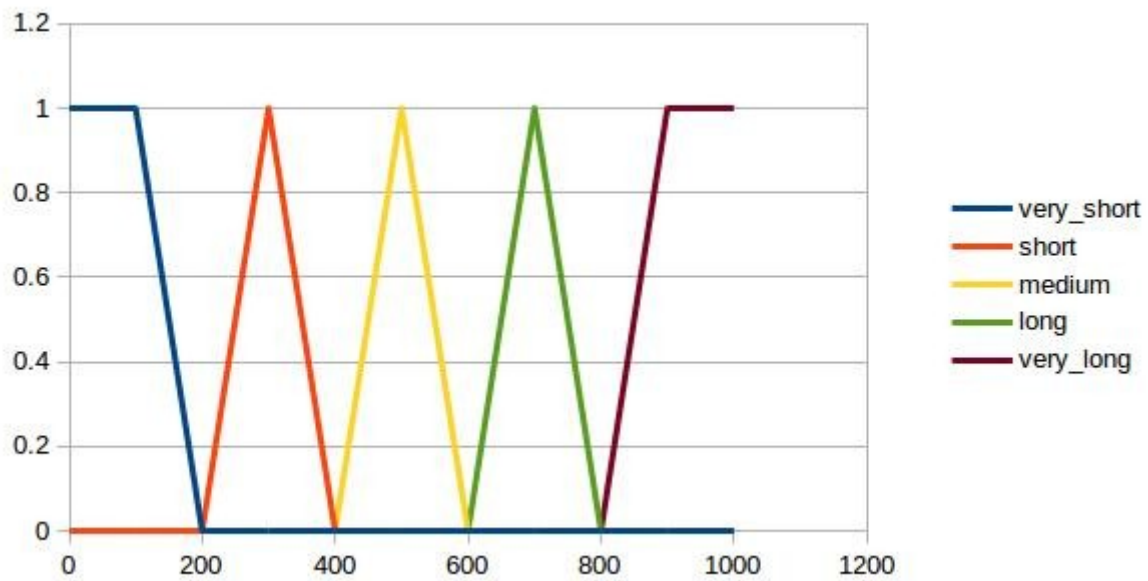


## Task 1

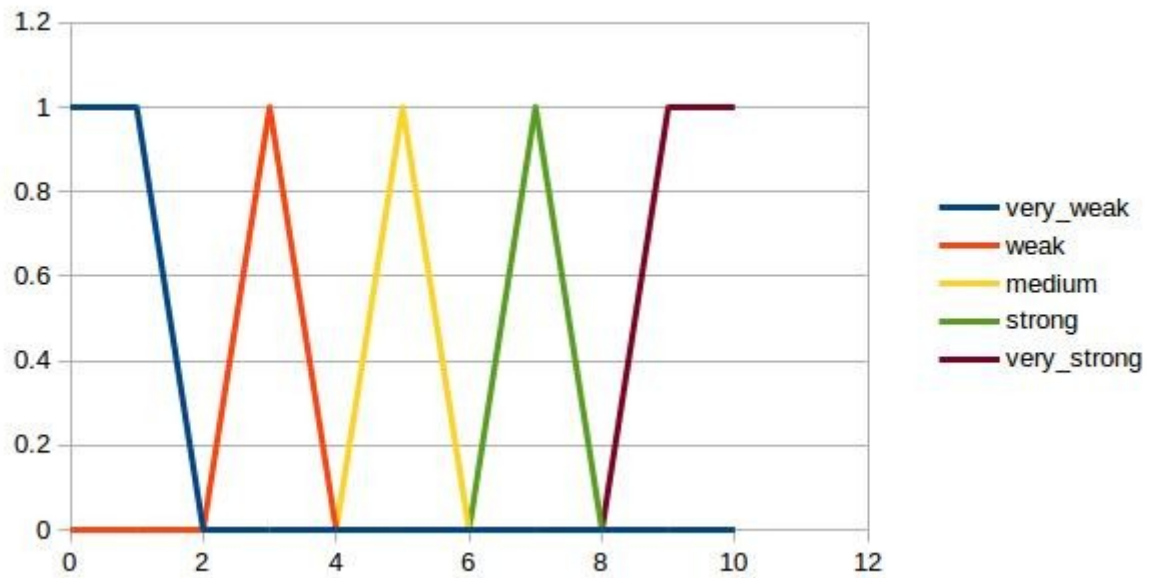
Membership function for speed:



Membership function for distance:



Membership function for brake:



Task 2

Rule1: if speed is slow and distance is long then break is weak

Rule2: if speed is medium and distance is medium then break is medium

Rule3: if speed is fast and distance is short then break is strong