

*Rules:*

1. speed: very slow, distance: very long → brake: very weak
2. speed: slow, distance: very long → brake: very weak
3. speed: medium, distance: very long → brake: weak
4. speed: medium, distance: long → brake: weak
5. speed: medium, distance: medium → brake: medium
6. speed: slow, distance: medium → brake: medium
7. speed: slow, distance: short → brake: strong
8. speed: very slow, distance: very short → brake: very strong
9. speed: fast, distance: very long → brake: medium
10. speed: very fast, distance: medium → brake: strong

*Fuzzy control surface:*

