

We offer solar loans in three states. We need to apply a threshold for solar applicants based on the Area Median Income (AMI). The AMI is based on household size. If the applicant's annual household income amount exceeds the AMI for their household size, they are considered ineligible. If it is below the threshold, they are considered eligible.

Write a function that takes three arguments: state, household size and annual income. Based on the below table of AMI by state, return the client's eligibility status: eligible or ineligible.

You may use any language and frameworks that you want. You may include a write up that explains any assumptions or design choices that you made.

Texas			Rhode Island			Massachusetts	
<u># of Household Members</u>	<u>100% of AMI</u>		<u># of Household Members</u>	<u>100% of AMI</u>		<u># of Household Members</u>	<u>100% of AMI</u>
1	\$59,710 .00		1	\$69,510 .00		1	\$84,280 .00
2	\$68,240 .00		2	\$79,440 .00		2	\$96,320 .00
3	\$76,770 .00		3	\$89,370 .00		3	\$108,36 0.00
4	\$85,300 .00		4	\$99,300 .00		4	\$120,40 0.00
5	\$92,124 .00		5	\$107,24 4.00		5	\$130,03 2.00
6	\$98,948 .00		6	\$115,18 8.00		6	\$139,66 4.00
7	\$105,77 2.00		7	\$123,13 2.00		7	\$149,29 6.00
8	\$112,59 6.00		8	\$131,07 6.00		8	\$158,92 8.00