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The state 1s=2, m=-1>_{x} is:

a A state of definite spin
b An eigenstate of Sx
c An eigenstate of Sx
d An eigenstate of S^{2}
e An orbital angular momentum state
f An eigenstate of L^{2}
g An electron state
h A state af a "spin 1" particle
h A state that I could also represent
with the notation 1t \ge 7
j An eigenvector of the Sx operator
with eigenvalue -t
k A state represented in the Sx basis.
l A state represented in the Sx basis.
```