4.10. Summing up

4.10a. In this Unit we discussed how the inclusion of spin changes

(a) NEGF Equations
(b) Current operator
(c) Self-energy equations
(d) $H, \Sigma_1, \Sigma_2$
(e) $U, \Sigma_0$

4.10b. We have seen that a spinor has 2 components, giving rise to a $G^n$ that can be characterized with 4 real numbers, $N, S_x, S_y, S_z$. If we were to define a 4-component spin, the corresponding $G^n$ would require

(a) 6 real numbers
(b) 8 real numbers
(c) 12 real numbers
(d) 16 real numbers
(e) none of the above