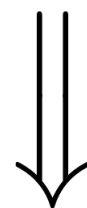
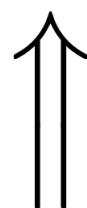
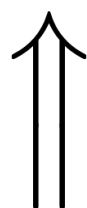
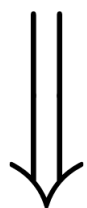


$$\begin{array}{ccccccc}
 & & \text{HK} & & \text{KS} & & \text{HK}_0 \\
 V_{ext}(\mathbf{r}) & \xleftarrow{\hspace{1cm}} & n_0(\mathbf{r}) & \xleftrightarrow{\hspace{1cm}} & n_0(\mathbf{r}) & \xRightarrow{\hspace{1cm}} & V_{KS}(\mathbf{r})
 \end{array}$$



$$\Psi_i(\{\mathbf{r}\}) \xRightarrow{\hspace{1cm}} \Psi_0(\{\mathbf{r}\}) \Psi_{i=1,N_e}(\mathbf{r}) \xleftarrow{\hspace{1cm}} \Psi_i(\mathbf{r})$$