1. Detection of DSB

2. Molecular bridging of the broken DNA ends

3. Modification of the ends to make them compatible and ligatable

4. The final ligation

NHEJ

(1) Ku

(2) Artemis: DNA-Pkcs Polymerase μ and λ

(3) XRCC: DNA Ligase IV

FoSTeS

(1)

(2)

(3)

(4)