$J\left(x + \left(\left(H_{n,d}(s) \odot A\right)x\right)^{d}, x\right) \equiv J\left(\xi + \left(A\xi\right)^{d}; \xi\right) \left|_{\xi_{j} = x_{j}s_{j}^{d}} \left(\prod_{j=1,\dots,n}^{n} s_{k}\right)^{d-1}, j=1,\dots,n\right|$