If > than 8 bit

8 bit hamming code in r0

no

no yes

If < 0

Calculate 1st checksum

Isolate each bit

Count 1’s

Isolate 1st parity bit

for even parity

Isolate 2nd parity bit

Calculate 2nd checkum

Ro =-1

EXIT

LSL ,, 1<< (checksum -1)

Even parity ?

If checksum >=1

Calculate 3rd checksum

Isolate 3rd parity bit