Zero dimensional area law in a gapless fermion system[1] GREGORY
LEVINE, DAVID MILLER, Hofstra University — The entanglement entropy of a
gapless fermion subsystem coupled to a gapless bulk by a "weak link" is considered. It is demonstrated numerically that each independent weak link contributes
an entropy proportional to $\ln L$, where L is linear dimension of the subsystem.

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