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best\_solution = [60825.622668822354, 29899.820869854844, 51573.34627136184, 63376.85854489463, 40532.96801186881, 30908.02727429069, 60872.440652260535, 37393.39997841612, 12893.401629135278, 23553.182576589956, 58001.43849734913, 5998.3978545925465, 9760.11660078743, 19492.22486160828, 22729.55306030373, 45625.32636440956, 41395.74370296721, 23099.520661744817, 27758.912292364243, 43237.519801324335, 27277.080528820778, 103.29669836212024, 26125.257222212997, 32142.32298768634, 26973.25549019276, 61259.94128301879, 5864.694984308636, 24523.886843887278, 9245.788394273017, 53823.382687795114, 32063.37439627996, 25433.577197312057, 51730.929340835704, 44028.77365649676, 51736.047105416976, 18012.65459708112, 46064.939724178206, 53452.94680202249, 39703.91958964731, 1299.1876008200275, 52905.90103715885, 49941.78136563641, 45811.40266107931, 23511.843582292462, 65322.98763334235, 3389.3258813735943, 54662.18172996609, 62879.09933855869, 50038.30234482731, 57048.18657146106, 60837.150687747395, 44482.37292504317, 30181.008467462398, 62428.94535526653, 33746.647818778336, 20418.07008133926, 12994.103050351783, 63413.36502318967]

Max Energy Saving = 37.93103448275862