\*\*\*\*\* 40 25 \*\*\*

battery\_charged [0, 0, 0, 0, 0, 0, 0, 0, 0, 0]

\*\*\*\*\* 80 25 \*\*\*

battery\_charged [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0]

\*\*\*\*\* 120 25 \*\*\*

battery\_charged [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0]

\*\*\*\*\* 160 25 \*\*\*

battery\_charged [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0]

\*\*\*\*\* 200 25 \*\*\*

battery\_charged [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0]

\*\*\*\*\* 40 50 \*\*\*

battery\_charged [0, 2.0622840858518257, 1.394522249975606, 0, 3.210827759444249, 0.773127494149836, 1.5517662547753968, 2.760303449196265, 0, 2.2755433931077462, 1.540082912660254, 0.9714028297629648, 1.4099942708568534, 1.006800123890366, 0.671643678731262, 1.8150481832481455, 1.437430129435807, 0, 2.2109160244154817, 3.139074615894045]

\*\*\*\*\* 80 50 \*\*\*

battery\_charged [0, 0.14953449928020784, 0, 0, 0.3153840877021329, 0, 0.007537846837763765, 0.24591276933196332, 0, 0.1259616092751487, 0.029749249909804477, 0, 0, 0, 0, 0.038936090637612324, 0, 0, 0.21159097616432937, 0.2974229669669353, 0, 0, 0, 0.4467248350409569, 0, 0.2006108524822178, 0, 0.528702620207887, 0.23213624920080334, 0, 0.31140461269934155, 0.5356557960702458, 0, 0.3190956181815116, 0, 0, 0.12445789860698178, 0.5317574689359998, 0.34816477602305795, 0]

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battery\_charged [0, 1.3360742869659512, 0.77857290223063, 0, 2.1799276132496885, 0.32355267851230085, 0.9116532572281294, 1.8409522984155013, 0, 1.4377647724348324, 0.9000771823296163, 0.4433710706519914, 0.7944210796133081, 0.4805832054063239, 0.268917481465243, 1.104059075517919, 0.8506535982891802, 0, 1.5145243491060725, 2.1156929719136093, 0, 0, 0, 2.7261530546682926, 0.22032825164383296, 1.447331575555705, 0.34580728447667497, 3.0504653660850245, 1.773054333908666, 0, 2.176772720155308, 3.0995380629868508, 0, 2.224815061965473, 0, 0.5277742172883069, 1.506136908028611, 3.0712980140428128, 2.293502426578235, 0.08627062179794881, 1.924467300497737, 0, 0, 0.8474984619308277, 3.0672038126888994, 0.8731974952627086, 0.12740444263673814, 0, 1.6963888060063932, 1.7237891489198889, 0, 0, 0.07777960556648007, 0, 0.8495256297810271, 0.7836883987323313, 2.1460833312298417, 1.5004614136782806, 0.07028221745098939, 2.332062493353224]

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battery\_charged [0, 0.7226813881193174, 0.3459018864133001, 0, 1.239504858092611, 0.07911306070211639, 0.42703152759272, 1.0305099228449102, 0, 0.7546275926989408, 0.436015947693717, 0.14224678507010555, 0.35984629580052385, 0.1691302788102333, 0.06546458694571812, 0.5387722803412182, 0.3742201302615145, 0, 0.863866490560635, 1.1951905464465125, 0, 0, 0, 1.5920010460826834, 0, 0.8240848957626318, 0.09108735485716805, 1.80324625579788, 0.9881779687069023, 0, 1.2347947097089245, 1.8296051274765266, 0, 1.2645851695383514, 0, 0.2006840583443695, 0.788015908995473, 1.8145094127629167, 1.3172563172556095, 0, 1.0984094363246972, 0, 0, 0.3955270872224065, 1.8133126554251058, 0.38114222680663, 0, 0, 0.9411504306446556, 0.9608004469480003, 0, 0, 0, 0, 0.3715892947653167, 0.3500101094478786, 1.227298897124768, 0.8245582437600669, 0, 1.3374005699640086, 0.26906590902025446, 0.08754987930864054, 0, 1.1479698457482295, 0.13287833535050964, 1.6246614706026021, 1.8299155434740524, 0.34932432045071576, 1.7921020227382263, 0.16273036866115337, 0, 0, 0.20414684993230103, 0.19000432493961006, 0.36328107855305397, 0.05678647209377248, 0.522318280560125, 0, 0, 0]

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battery\_charged [0, 0.7394599833073695, 0.36762380728473726, 0, 1.2591873643456384, 0.0979105470287001, 0.4487781305757296, 1.0483134720148757, 0, 0.7701358453380546, 0.4583906532447226, 0.1591089201247117, 0.3810646865837941, 0.1860904925530418, 0.07703458175369035, 0.5558597476340602, 0.39707827711786503, 0, 0.8814304450075251, 1.2149537771575099, 0, 0, 0, 1.6100195972925628, 0, 0.841112478794463, 0.1101293078050711, 1.8209589462864666, 1.0058061745023228, 0, 1.2548684400871652, 1.8475705558463824, 0, 1.2849421791485036, 0, 0.2180133759661233, 0.8098494039166775, 1.8323227374936901, 1.33571428098932, 0, 1.1130179004434644, 0, 0, 0.4165627943983258, 1.8311226170121049, 0.40827623424507553, 0, 0, 0.9584371463376455, 0.9782127566370031, 0, 0, 0, 0, 0.3947570633522648, 0.3712559540049797, 1.2452157864854196, 0.8428493140640059, 0, 1.356352090341698, 0.2898527462724457, 0.10577615879090974, 0, 1.1630324343857716, 0.1514435386635229, 1.642893777072597, 1.8480064104423537, 0.37014421262079744, 1.809755207504164, 0.179058862921763, 0, 0, 0.22069145744255364, 0.20673339266537938, 0.38085962072997165, 0.07517482299066994, 0.5449521286944393, 0, 0, 0, 0.4447120532916913, 0.9098759970940988, 0.43291685120324563, 0, 0.41204432665396007, 0.35966196209938794, 0, 1.544433660573151, 0.19578416240517948, 0.8983435406185616, 0.48053152379225106, 0.09554199224122555, 1.6245267298665924, 0, 0.40775677070351884, 1.781926167817546, 0, 0.35377782609549147, 0, 0]

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battery\_charged [11.475585861652405, 16.125791824986536, 11.96714959931519, 4.309152651090499, 17.039962289237064, 10.331222861724177, 15.423653996538258, 16.614944041804204, 0, 15.442862966455552, 15.194514034533233, 14.287347670177194, 12.328694058976998, 14.190877245274702, 13.953661062499805, 15.627331556118353, 13.513519634484943, 3.215670251974485, 15.06236722120703, 16.962009009335503, 0, 0, 0, 17.843105048161153, 11.75215572083724, 14.900648880262896, 9.868663666507981, 18.17961966284923, 16.501573977504687, 0]

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battery\_charged [12.54712235117533, 16.381789640588277, 13.578010732125522, 5.715221209288862, 17.305582468973977, 12.480778974237932, 15.679674417296782, 16.878360713630034, 0, 15.687916456197899, 15.83218077523426, 14.874895820150256, 13.98409019600162, 15.105896778548079, 14.523144392103148, 15.879893346934129, 14.461214894024746, 3.8489298070039504, 16.01217248691313, 17.227464366450008, 0, 0, 0, 18.112578569747605, 13.545395290708852, 15.889194240410813, 11.889307821781642, 18.450955961980416, 16.764676335372513, 0, 17.25213512353055, 18.43805963729406, 0.43177380137820515, 17.25797812421003, 0.26547472603830563, 14.456531290516821, 16.123021327620844, 18.44174430149016, 17.550403425663745, 14.658182929463516, 16.740211000008458, 0, 0, 13.796533936059845, 18.40607336116529, 15.12984074121988, 9.772064966196705, 0, 16.72702814474555, 16.793677237370407, 4.87258060646236, 13.474640499985751, 10.039487188448089, 0, 14.81469753558018, 14.000399804357926, 17.521772032780063, 16.35181743184383, 10.009961162354571, 17.502494403935863]

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battery\_charged [12.455984592520517, 16.360925533427434, 13.68837732796757, 5.887046533644774, 17.284430857528083, 12.630891034056889, 15.656890967818113, 16.85621398170465, 0, 15.6673273711998, 15.809767170597409, 14.850003130737974, 14.096999708106166, 15.081498138475073, 14.499734618291704, 15.857746457762673, 14.380673763154446, 3.780796797044532, 15.925000372714534, 17.206171177294877, 0, 0, 0, 18.09231269086932, 13.752939693025294, 15.803102036902843, 12.039071769093566, 18.430985612616208, 16.742254134319356, 0, 17.23084862467468, 18.41810324623695, 0.5828980267355738, 17.236643007685206, 0.2622773380286069, 14.372289158551263, 16.10085850855484, 18.421783922345305, 17.529260354161902, 14.635050702529773, 16.717828318700985, 0, 0, 13.9054505391778, 18.38611786203952, 15.10656367219543, 9.932526068435342, 0, 16.704523515827567, 16.771293412120755, 4.801975717506944, 13.382830098444208, 10.19777703195293, 0, 14.731558980509327, 14.11014077949394, 17.500527558602606, 16.32944168265778, 10.173290898949434, 17.481285480981278, 12.915135961599487, 12.015655294468393, 5.4004686419658166, 16.72734516717394, 12.975269802174875, 18.09452546757615, 18.419943584291133, 14.442349081693406, 18.38611786203952, 14.937170411738785, 11.04936121077993, 14.059904661425877, 10.081567132869946, 9.901317457328851, 13.277623741419077, 12.667179288284757, 15.660933127496264, 4.799513957005686, 2.724649688683735, 0, 15.700232816267714, 16.54938629387938, 15.840618536224126, 0, 14.617594601322931, 14.610159442369234, 12.911022823942021, 18.075585839261475, 12.018172686903972, 16.48263777251905]

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battery\_charged [11.685066613856195, 16.06441566582403, 12.273903486436454, 4.692786279986601, 17.011340308651405, 10.821774617188941, 15.396376351879299, 16.58724291924878, 0, 15.415780582586466, 15.380745192518196, 14.472724840895129, 12.644203644014052, 14.374549134935783, 14.141136782875119, 15.599715599975692, 13.690081488050485, 3.4009213381616714, 15.214589938133159, 16.933585808066717, 0, 0, 0, 17.812943739809572, 12.219832550640225, 15.082816605372244, 10.34247795927957, 18.14905822729419, 16.474225277728618, 0, 16.95801342501972, 18.136372914504264, 0, 16.963601173535277, 0, 13.623967910513484, 15.83728884617244, 18.139997289587097, 17.25407211416895, 14.377982383144186, 16.45318826203014, 0, 0, 12.400977200718328, 18.10474409242487, 14.845715365071314, 8.782391055686494, 0, 16.436866418965806, 16.50292071133589, 4.386793967800907, 12.508544419371788, 9.024714024821177, 0, 14.026676333851812, 12.575406144444662, 17.22537890955021, 16.06499958002009, 8.981496573103566, 17.206441112728605, 11.641608173244975, 10.31005310382287, 4.931270541817593, 16.462650460646564, 11.175900599934165, 17.815188999863036, 18.138185102045682, 12.823888173368955, 18.10474409242487, 14.399490389634922, 10.434223174738191, 12.883114874309003, 9.510331693578797, 9.339057078604121, 12.662035703185522, 10.84825795341227, 15.400432129772247, 4.380183066116178, 1.618905374902156, 0, 15.43910659059133, 16.27946136395945, 15.059909419947102, 0, 13.917025102224152, 13.907118531684455, 12.128753192501954, 17.796611099659263, 10.388751126337938, 16.21265803414266, 14.910290848981923, 11.06186686967107, 17.813372276951213, 3.728734443495607, 15.047409725149667, 18.121875414172926, 5.0158074623961655, 12.051888766416143, 0, 2.629442608812587, 0, 0, 15.942373582775557, 12.225781938706882, 2.579446111797769, 18.138185102045682, 16.269810855990176, 2.03127832899034, 15.69153306654034, 0, 7.0700936196657755, 11.064646427515823, 9.41381169494821, 16.49562407196613, 0, 14.693527784065003, 14.376944193266047, 14.834447176449572, 14.430118765307048, 15.694215751108016]

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battery\_charged [12.001534610874408, 16.214142228633975, 12.75524861936842, 5.1047278541163505, 17.143330810899748, 11.451219189856792, 15.523395853782503, 16.717200162498973, 0, 15.53752718957748, 15.674719963261698, 14.72100014095647, 13.133005997873509, 14.702808166613366, 14.37542285306763, 15.724888518568106, 13.980931285494206, 3.5469357666457797, 15.520149424743023, 17.06536403025428, 0, 0, 0, 17.947461717947455, 12.796612674293815, 15.386982471068983, 10.932523976340102, 18.28462631859018, 16.603770803288185, 0, 17.089907406605793, 18.27184625026965, 0, 17.095602691369976, 0.04015557588999098, 13.933931772457695, 15.965445138739714, 18.275497698361228, 17.386980085704113, 14.504339437049758, 16.581040540641066, 0, 0, 12.952225663018183, 18.2400550609788, 14.97322344552133, 9.223265743047026, 0, 16.566243253942837, 16.632626763672377, 4.55034831040101, 12.921391739814371, 9.474468793494772, 0, 14.324816886585701, 13.13491326958495, 17.358298661589785, 16.193315163241085, 9.435255187461687, 17.339219135184603, 12.071551691275943, 10.902137043876069, 5.114687060241851, 16.590534818418288, 11.803760234844585, 17.949684751663334, 18.273671974315437, 13.411187344843714, 18.2400550609788, 14.72943403611855, 10.711449930708975, 13.49596566425028, 9.75599768681208, 9.58157402946807, 12.925295601688562, 11.479484431418697, 15.52743639280377, 4.56210486815939, 1.9740635184043043, 0, 15.566429001310325, 16.411004856830385, 15.387376155072875, 0, 14.213286544706406, 14.20375219689403, 12.450655042710547, 17.93093303664842, 10.959048115701968, 16.344355092020614, 15.034068103429492, 11.696248115385114, 17.947853925780937, 4.155068229869129, 15.175341912517814, 18.257240457903325, 5.20555031777786, 12.598493980500109, 0, 2.704394920891893, 0, 0, 16.07088632949067, 12.482462289532743, 2.65448173712862, 18.273671974315437, 16.401495762289745, 2.092098693451171, 15.8174414168823, 0, 7.326764761997537, 11.319347659948324, 9.883267202179713, 16.623692443654416, 0, 15.03270733662424, 14.50364066825734, 14.979545257294133, 14.759829876574095, 15.820014142078504, 14.298937132885136, 15.194188885715796, 14.069841611363096, 12.707909821998038, 16.348320939710717, 0, 15.749724813704775, 15.021176261398896, 16.384326442649268, 13.517528950198527, 16.245263632023235, 15.236062235127022, 7.27822104087486, 2.9033640221052424, 15.752126253481348, 0.8946758291690476, 17.37961036749939, 4.044764076020757, 1.6577974947454355, 16.568495395868798, 13.844889436673276, 0, 10.92543130982059, 0, 16.301308547936717, 2.330246568833557, 17.949645568036445, 12.474279364271558, 18.27184625026965, 8.836627228000896]