File name	Expected Output	Actual Output	Time taken(s)
test1	UNSAT	UNSAT	0.0069737
test2	1, -2, -3, 4, 5	1, -2, -3, 4, 5	0.0019741
test3	UNSAT	UNSAT	4.0435137
test4	UNSAT	UNSAT	4955.8308589
test5	UNSAT	UNSAT	10.083264
test6	1, -2, 3, -4, -5, -6, 7, -8, -9, -10, -11, 12, -13, 14, -15, -16, 17, 18, 19, 20	1, -2, 3, -4, -5, -6, 7, -8, -9, -10, -11, 12, -13, 14, -15, -16, 17, 18, 19, 20	0.0079096
test7	1, -2, 3, 4, -5, 6, -7, -8, -9, -10, 11, 12, 13, 14, 15, -16, -17, -18, -19, 20, -21, -22, 23, -24, 25, -26, -27, 28, -29, -30, -31, 32, -33, -34, -35, -36, 37, -38, -39, -40, 41, -42, -43, 44, -45, -46, -47, 48, -49, 50, -51, -52, 53, -54, -55, 56, -57, 58, -59, 60, 61, 62, 63, 64, 65	1, -2, 3, 4, -5, 6, -7, -8, -9, -10, 11, 12, 13, 14, 15, -16, -17, -18, -19, 20, -21, -22, 23, -24, 25, -26, -27, 28, -29, -30, -31, 32, -33, -34, -35, -36, 37, -38, -39, -40, 41, -42, -43, 44, -45, -46, -47, 48, -49, 50, -51, -52, 53, -54, -55, 56, -57, 58, -59, 60, 61, 62, 63, 64, 65	0.0866985
test8	1, 2, -3, -4, 5, 6, 7, -8, -9, -10, 11, -12, -13, 14, 15, -16, -17, -18, -19, 20, 21, 22, -23, -24, 25, -26, -27, 28, -29, -30, -31, 32, -33, -34, 35, 36, -37, 38, 39, -40, -41, 42, -43, -44, 45, 46, -47, -48, -49, 50, -51, -52, 53, -54, -55, 56, -57, -58, -59, 60, 61, -62, 63, -64, -65, 66, -67, -68, 69, -70, -71, 72, -73, -74, 75, 76, -77, -78, -79, 80, -81, -82, 83, -84, -85, 86, -87, -88, 89, -90, -91, -92, 93, -94, 95, 96, 97, -98, 99, -100, 101, -102, -103, -104, 105, 106, -107, -108, -109, 110, -111, -112, 113, -114, -115, -116, 117, -118, -119, 120, -121, -122, 123, -124, -125, 126, 127, 128, 129, -130, 131, -132, -133, -134, 135, 136, -137, -138, -139, 140, -141, -142, 143, -144, -145, 146, -147, -148, 149, -150, -151, -152, 153, -154, -155, 156, 157, -158, 159, 160, -161, -162, -163, 164, -165, -166, 167, 168, -169, -170, -171, 172, -173, -174, 175, -176, -177, 178, -179, 180, 181, -182, 183, -184, -185, 186, 187, -188, -189, -190, -191, 192, -193, -194, 195, 196, -197, 198, -199, -200, -201, 202, -203, -204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214	1, 2, -3, -4, 5, 6, 7, -8, -9, -10, 11, -12, -13, 14, 15, -16, -17, -18, -19, 20, 21, 22, -23, -24, 25, -26, -27, 28, -29, -30, -31, 32, -33, -34, 35, 36, -37, 38, 39, -40, -41, 42, -43, -44, 45, 46, -47, -48, -49, 50, -51, -52, 53, -54, -55, 56, -57, -58, -59, 60, 61, -62, 63, -64, -65, 66, -67, -68, 69, -70, -71, 72, -73, -74, 75, 76, -77, -78, -79, 80, -81, -82, 83, -84, -85, 86, -87, -88, 89, -90, -91, -92, 93, -94, 95, 96, 97, -98, 99, -100, 101, -102, -103, -104, 105, 106, -107, -108, -109, 110, -111, -112, 113, -114, -115, -116, 117, -118, -119, 120, -121, -122, 123, -124, -125, 126, 127, 128, 129, -130, 131, -132, -133, -134, 135, 136, -137, -138, -139, 140, -141, -142, 143, -144, -145, 146, -147, -148, 149, -150, -151, -152, 153, -154, -155, 156, 157, -158, 159, 160, -161, 162, -163, 164, -165, -166, 167, 168, -169, -170, -171, 172, -173, -174, 175, -176, -177, 178, -179, 180, 181, -182, 183, -184, -185, 186, 187, -188, -189, -190, -191, 192, -193, -194, 195, 196, -197, 198, -199, -200, -201, 202, -203, -204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214	63.2556393
uf20-01	-1, 2, 3, 4, -5, -6, -7, 8, 9, 10, 11, -12, -13, 14, 15, -16, 17, 18, 19, 20	1, -2, -3, -4, -5, 6, -7, -8, 9, -10, -11, -12, -13, 14, 15, -16, 17, -18, -19, 20	0.0817726

uf20-02	1, -2, -3, -4, 5, -6, 7, 8, 9, -10, -11, -12, -13, 14, -15, 16, -17, -18, -19, -20	1, -2, -3, -4, -5, -6, 7, 8, 9, -10, -11, -12, -13, 14, 15, 16, -17, -18, -19, -20	0.016981
uf20-03	1, 2, 3, 4, -5, 6, 7, 8, 9, 10, 11, -12, 13, -14, -15, 16, 17, 18, -19, 20	1, 2, 3, 4, -5, 6, 7, 8, 9, 10, 11, -12, 13, -14, -15, 16, 17, 18, -19, 20	0.1664791
uf20-04	1, -2, 3, 4, -5, -6, 7, -8, -9, 10, 11, -12, 13, -14, -15, 16, 17, -18, -19, -20	1, -2, 3, 4, -5, -6, -7, -8, -9, 10, -11, -12, 13, -14, -15, 16, 17, -18, -19, -20	0.0577689
uf20-05	-1, -2, -3, -4, 5, -6, 7, -8, -9, 10, -11, 12, 13, -14, 15, -16, -17, 18, -19, 20	-1, -2, -3, -4, 5, -6, 7, -8, -9, 10, -11, 12, 13, -14, 15, 16, -17, 18, -19, 20	0.1405611
uf20-06	1, 2, -3, -4, 5, -6, -7, 8, -9, 10, 11, 12, -13, 14, 15, 16, 17, -18, -19, 20	1, 2, -3, -4, 5, -6, -7, 8, -9, 10, 11, 12, -13, 14, 15, 16, 17, -18, -19, 20	0.1873728
uf20-07	-1, -2, 3, 4, -5, -6, 7, 8, -9, 10, -11, 12, -13, 14, 15, -16, 17, 18, -19, 20	-1, -2, 3, 4, -5, -6, 7, 8, -9, 10, -11, 12, -13, 14, 15, -16, 17, 18, -19, 20	0.0946824
uf20-08	-1, -2, -3, 4, -5, -6, -7, -8, 9, -10, 11, -12, 13, -14, -15, -16, -17, -18, -19, -20	-1, -2, -3, 4, -5, 6, -7, -8, 9, -10, 11, -12, 13, -14, -15, -16, -17, -18, -19, -20	0.0189348

The expected output is the output given by pySAT solver.

Also, there may be multiple correct satisfying outputs for a given formula so even if Actual Output is different from Expected Output, it may be correct.

For the case(s) where Actual Output and Time Taken has not been provided, the solver was taking too long (>5min).

Credits: Armin Biere (satch) for some of the test cases