Operators performance in calibration 100 3 -Overall performance of the mutation operators (%) 3 -3 80 **4** 2 2 -2 60 Number of levels of analogy 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 40 3 3 -3 3 2 -2 20 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 3 -3 -3 -2 -2 -2 1 1 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 3 3 3 1 2 2 2 1 1 1 1 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 1 2 3 4 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 3 8 1 2 6 Number of predictors per level Operators performance in validation Overall performance of the mutation operators (%) 3 -3 80 4 2 2 -2 60 Number of levels of analogy 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 3 3 -3 3 2 -2 20 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 3 -3 -3 3 2 -2 1 1 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 3 3 3 3 1 2 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 2 3 8 1 6 Number of predictors per level