| | , | | ` | |
|---------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-------------------|
| | | MACHINE PaperRound_3 | | |
| addNewHouse | | SETS & CONSTANTS ANSWER = { Yes, No }; OUTCOME = { NoMoreDeliveries, NotDeliveredTo, NotDeliveringPaperAndMagazine } STATUS = { PaperAndMagazine, OnlyPaper, OnlyMagazine, NoDeliveries, | | haspaper |
| getPapers | | NotBothPaperAndMagazine } MAX_DELIVERIES | | stopdlivery |
| firsthouse | | PROPERTIES | | deliverMagazine |
| | | MAX_DELIVERIES : NAT1 & MAX_DELIVERIES = 10 | | deliveries |
| lasthouse | | VARIABLES paperHouses, magazineHouses | | stopMagazine |
| howManyHouses | | INVARIANT paperHouses <: NAT1 & | | stopalldeliveries |
| | | card(paperHouses) <= MAX_DELIVERIES & magazineHouses <: NAT1 & | | howManyMore |
| | | magazineHouses <: paperHouses | | |