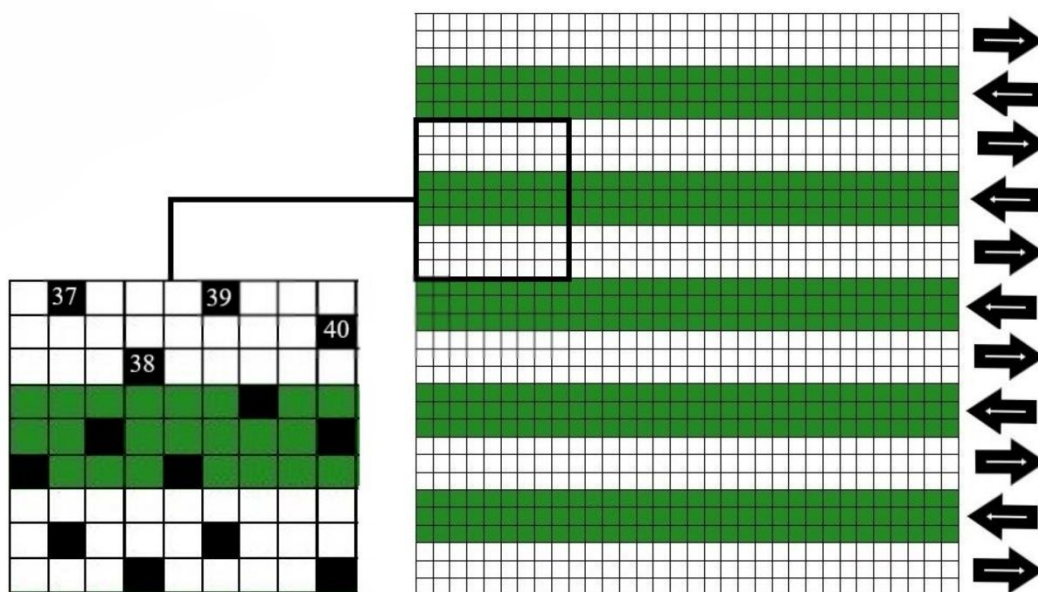


Supplementary Material

Fig. S1 - Example of virtual plot for selective thinning with 11 bands and their marked directions of thinning movements. The excerpt presents a randomly selected set of positions for candidates with a marked sequence for thinning processing.



Tab. S1 - Differences in thinning intensity. Average thinning intensity is determined by the average number of competitors per candidate crop tree. Competitors within simulation explain possible numbers of competitors per candidate or crop tree within each thinning intensity level. Type of thinning intensity represents a classification system used in previous research in Slovenia (Arnič et al. 2016, 2018).

Average thinning intensity	Competitors within simulation	Type of thinning intensity
1.5	1-2	weak
2	1-3	normal
2.5	1-4	high

Tab. S2 - Data from previous studies of precommercial thinning in young beech forest stands. Diameter at breast height (DBH), Thinning intensity (TI), Productive time per competitor, Main productive time per competitor and auxiliary productive time per competitor for three different studies of beech young stand precommercial thinning (Arnič et al. 2018).

Variables	Arnič et al. 2016	Krajčič et al. 2000	Orešnik et al. 2009
DBH (cm)	4.8	6.9	12.9
TI (Comp. per candidate)	1.88	1.39	0.99
Productive time per candidate (min)	1.04	1.09	1.06
Productive time per competitor (min)	0.55	0.78	1.07
Main productive time per competitor (min)	0.41	0.55	0.78
Auxiliary productive time per competitor (min)	0.14	0.23	0.29

Arnič D, Krc J, Diaci J (2021).

Modeling of time consumption for selective and situational precommercial thinning in mountain beech forest stands

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Tab. S3 - Information about simulation model and data from measurement of young beech stand in previous study (Arnič et al. 2018).

Indicator	Value
Forest type	Mountain beech forest
Age	14 years following final cut
Average DBH of candidates	4.8 ± 1.1 cm
Stand density	34950 ± 4000
Slope of terrain	70 %
Vegetation coverage	100 %
Bedrock	Limestone