

DNV	SNV1	SNV2
2	12.37050007	-2.126878564
3	59.11890886	3.482495976
1	18.77340576	4.898342613
3	1.478503524	8.915763985
5	8.480183742	8.107550602
3	5.300549475	9.681688669
2	30.66427167	9.980331571
6	14.61826523	-5.562873624
6	12.66985309	-0.762973422
3	0.239441781	4.469976608
4	5.725980976	1.823889119
4	30.00888729	1.1363601
1	8.815970884	6.389670203
5	18.12203717	4.863055529
5	13.33180849	-0.276932471
1	23.7944462	3.49337372
2	1.403770806	1.189666014
1	4.982695988	4.761555727
6	30.45728398	3.774587748
1	11.73558009	1.561858802
3	0.587129116	13.29405983
4	0.391661914	-0.511833195
3	3.814494578	6.249426368
1	7.181165095	4.270890446
3	0.84145611	4.229094548
5	10.64060485	-4.555736662
5	10.18059475	14.06605904
3	6.882213874	5.88282098
3	18.32605548	5.615719463
4	15.76399705	8.931343454
1	27.31227778	1.852069678
6	0.884747134	-1.662882721
3	14.62211521	-0.714646625
3	18.49157385	7.265350349
3	1.911942313	-0.053003842
2	37.72650921	2.827266652
3	2.336298136	-4.749519328
4	2.649857058	7.226764769
3	1.841297221	6.001943721
6	10.41639568	4.209386545
3	5.163547458	7.317995665
5	61.63749669	7.498251868
5	25.52818387	2.968659684
1	2.331610054	5.73019908
4	17.83728412	-1.189814921
4	13.64070784	7.225585011
5	0.743327422	2.129881289

### 1. První proměnná

- a) vytvořte
- b) do jedné
- c) určete m

### 2. Druhá a třetí proměnná

- a) Vytvořte
- b) Vytvořte
- c) Na základě
- d) Vaši volbu
  - i. u n
  - ii. u e

6	2.009170593	11.63686211
3	3.605806307	11.34452176
4	3.556084025	0.570185166
6	10.0016834	-4.730112417
4	17.40208745	-2.943075163
1	12.90039077	13.44303152
6	2.521276561	7.347117451
3	0.615466289	1.732830204
6	8.984942178	-0.599214754
4	0.818880463	4.266984512
2	4.109581095	-0.613083749
4	13.99979129	13.40313681
2	17.23539317	9.247344805
5	0.495007152	12.48891652
5	4.622111873	-0.708362549
4	10.83205031	-2.272591204
5	6.40160196	8.741715006
6	7.51112255	0.169291411
5	19.70113443	-1.221508218
6	9.751047654	5.668743972
6	49.22592197	11.14728038
4	11.57388148	4.680413201
6	1.287940856	12.85768683
3	18.76943957	0.281125314
3	20.68710961	0.601383912
6	5.048461993	4.172257914
6	27.69279227	10.76655637
1	5.30155693	-1.973040768
2	21.18558855	12.93419039
3	9.900775106	-2.513927132
4	11.57347921	7.851980364
4	24.4630522	-7.93976044
5	10.53332787	-0.537571187
2	4.043087313	14.19514699
6	5.325627395	15.88607095
6	6.02142442	9.304036516
3	8.214080406	4.421313877
5	7.362602511	5.618518167
4	13.81161921	3.796546691
6	0.401521907	-1.64962084
4	4.884192733	4.202026523
5	4.86719569	3.585060914
6	0.437201624	-0.249458132
1	7.2724249	6.798767917
1	5.284048784	6.574213346
1	11.52374214	4.990578016
2	8.273927564	10.38854249
2	70.32538341	0.576076601

5	6.484386901	0.99089123
5	1.140205879	-1.667014025
1	0.211888086	5.463735443
5	6.246233614	-10.80549607
4	14.98260007	7.237450033
3	1.845386663	-3.247164577
4	1.503481848	1.561737153
5	4.147023933	-0.835628557
5	13.42049376	9.757786487
1	0.9214523	4.712892558
2	20.09572556	1.464597321
5	3.950587015	8.704560702
5	34.62362519	10.30984786
6	10.45375745	0.358820425
5	20.48473484	-1.69895205
5	1.496544082	10.18969842
1	4.755956527	3.050792227
2	2.189710011	12.03619176
4	8.349910913	8.270723802
4	0.413540326	-4.777816058
4	30.41443593	9.936331477
4	11.24133224	-0.75098539
5	6.736707478	-4.291959481
4	19.52309331	0.760465895
1	28.63052248	8.3432451
4	8.661372607	4.458229642
6	15.3492378	7.081837567
6	13.24740603	13.13019978
1	21.22594489	-10.76373032
4	3.104773726	4.431081243
2	3.103175883	9.054197671
5	4.645854456	1.577374247
4	17.9665693	8.288337366
1	8.652792158	-7.1646074
2	8.33405024	1.031445235
1	16.86729276	13.06495042
4	3.684569403	15.90178335
5	12.20124558	-0.414754883
1	15.38261556	0.723120625
1	6.053061415	6.917123608
5	39.87378517	5.098449516
6	20.09311383	3.132920832
4	11.76650839	-6.273819541
3	20.34388344	10.30825355
5	12.47344228	9.9039166
2	11.4476794	-0.883101384
1	7.217226776	0.958491091
5	3.648787856	-1.736159372

4	9.889501857	7.173427981
6	10.48839001	0.32419867
3	13.64897184	-1.496459711
5	7.248136309	0.699473706
6	0.441069876	7.435896483
5	0.31703592	5.882817852
4	2.535914012	-6.757809328
3	3.131793812	-3.097139931
4	34.24627974	0.796066883
3	11.94211954	-1.760205325
1	1.897403356	4.667922828
2	3.271946731	3.019887833
5	1.18009552	8.436079172
1	46.36999254	4.534603598
3	5.031376306	4.289184336
3	12.24156676	14.5012931
3	7.70951667	8.012830459
2	59.41986915	4.737710362
2	3.259410561	19.33899058
5	36.0708228	1.963770717
4	3.581827901	5.241488594
3	62.12597095	6.885434185
3	11.04785626	5.694465632
2	26.41083797	0.618769445
1	7.298397322	-5.426081342
1	6.179126298	3.28447455
2	0.386659327	2.655254524
2	12.61205315	6.662870483
6	9.418900266	-3.920178996
2	9.80674679	0.346311791
6	37.93581725	7.678831218
3	0.869342686	3.569797426
3	36.46162208	5.978665405
6	6.223359433	3.397149875
6	0.624389761	1.027336014
5	5.856007619	13.50579165
4	32.24832272	6.566665421
5	9.536202632	0.52789578
6	6.997614068	15.68797126
1	59.76805767	-1.946891073
1	25.47289794	-2.781527283
2	5.513776393	7.157627003
1	31.67058575	7.85886546
3	0.251919462	6.169233034
1	13.62498389	2.694535345
5	21.20109477	6.543436157
4	11.48025401	-3.960771691
4	0.502704594	4.68202757

1	0.41232204	7.428488019
2	20.372063	4.816654922
2	2.968340261	13.75107642
5	13.25803243	1.567145883
6	15.72628083	4.870419115
2	12.88590437	11.28974765
2	13.60002169	-7.168876871
4	6.82269606	5.009852209
2	30.91839269	-0.264862989
4	7.766835402	5.180101633
5	4.000585181	-1.520268505
5	12.55787513	8.053582818
3	14.4678893	3.266231651
4	6.32914214	0.555048235
6	14.29355601	8.208877676
1	4.613234942	-0.156219171
5	5.152048063	5.51683114
2	42.39243211	2.660022787
2	6.620355019	3.18631012
1	5.776639511	4.317941516
4	8.707119826	-0.400033963
4	22.03684329	0.968706639
6	11.35636628	8.049634924
5	0.066355427	-2.230553987
1	16.35834548	3.515680284
3	6.559093565	2.739956504
1	12.98141029	1.713691164
3	12.30774319	-3.376499658
3	70.0984716	5.057749242
4	24.77587614	4.58770316
2	6.818035083	-0.525130919
1	27.34287131	2.991370892
5	7.75552121	11.25447889
5	9.113372466	1.908209948
6	19.5535925	17.78035609
4	1.306066351	-3.011115479
3	32.31762712	2.661558225
6	1.116754265	6.639799931
6	10.77997459	9.889047836
6	32.76864888	3.406515325
1	14.83068732	0.457136321
6	1.234151592	-9.703937294
2	55.44329774	8.938145401
1	6.285005208	0.08840571
2	5.397268705	-1.006374219
6	15.63402498	-3.99781585
2	5.112619085	10.63781489
2	6.211762321	4.110272956

1	4.646441962	-2.804121433
2	17.54342627	11.12713345
5	0.510311712	0.08431245
1	9.967614764	0.623306752
1	14.67979994	-1.610400393
3	5.90612916	-1.132774745
3	8.084346524	1.814559572
6	16.38136387	11.41854224
6	43.99956985	7.814662413
1	2.829618595	-1.200153114
3	18.88932238	4.28207306
2	0.212454071	4.153086882
4	2.679990632	3.528334852
5	29.02918777	-0.155126795
3	9.975534513	6.696323702
3	3.90979975	2.314156446
5	12.27753307	6.198748144
3	0.078197234	2.248353419
3	17.65753157	-9.163972914
4	26.0339127	12.76735915
2	5.842266653	0.106034671
1	3.351081467	7.284480053
5	8.699482647	-1.524046851
2	7.768366364	5.575794463
5	12.26364271	8.263192804
6	5.86337942	2.136566064
1	2.162638945	8.551130305
2	18.56277658	8.177613241
5	48.79163467	-2.748616649
1	3.714759591	-2.220439461
6	15.65135653	-4.397201974
3	3.565420334	5.528943289
4	2.682829519	6.107853183
4	0.350875415	5.252525748
1	0.481555055	2.527381783
4	5.975597122	6.021307876
3	21.55574304	4.148939104
1	34.47649624	6.449864913
4	26.59663948	-1.233121906
5	3.13469227	0.514676232
3	36.94655396	5.494854219
1	20.72699673	-1.741685337
6	6.201655863	2.267757229
1	2.129409301	0.277197449
2	22.01712954	4.59434843
3	2.971416996	2.6664657
5	21.96755548	-1.980704738
6	9.922736752	5.554333333

3	1.261481838	6.72715168
2	8.169276628	8.572702898
3	4.679627132	6.79423797
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4	28.10943304	-2.018407183
6	16.22002602	-1.258949895
4	1.149571509	2.618041748
3	23.25260109	6.65218396
3	10.99396588	-5.474569102
4	12.51911539	1.831945229
2	11.97711245	8.708548719
3	13.97633637	-0.279313143
1	15.7731323	2.172962502
4	3.546989263	1.962752178
3	5.457989551	-1.921845277
4	30.32297999	13.10691453
6	3.823046488	3.475908508
2	10.13754811	0.357474715
6	4.334823132	10.60338156
5	25.1231554	-5.957874959
4	25.87033559	-0.684084303
4	9.566488393	9.242681195
5	10.98850632	5.203315549
6	21.29272474	3.272833703
3	11.53266087	5.488300423
6	2.541632434	7.739398212
5	37.32761827	0.190827373
4	13.49422202	8.213538042
3	6.912812153	0.025245444
3	21.74415471	-2.844542695
2	17.59649287	5.385750896
3	1.093115273	8.146648651
3	20.17615917	8.417649157
2	8.081127012	4.068967238
4	7.898863855	3.530476492
3	4.584400738	-1.108309691
4	37.97766248	9.123085055
5	1.204356199	7.379025317
4	15.83642671	5.939387444
1	6.076007043	4.947157088
1	18.12706087	11.86224639
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3	18.64583348	1.421759142
3	13.3557654	-6.721560609
3	2.551328437	5.303384074
1	2.193105234	6.855675601
5	14.29950818	3.61989479
4	27.52309694	5.164354089

3	9.130766058	-0.416157932
2	2.464037187	4.042669601
2	8.135103395	8.445697473
2	16.88544452	4.338663277
3	19.29745598	5.401867185
4	19.824382	1.703143448
3	10.73692645	-3.138810441
4	10.24643831	11.72952325
3	23.57829835	6.642168606
6	2.58783958	17.57372593
3	21.90418675	13.37395538
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6	16.04384519	8.094607564
3	33.18198861	2.633823901
1	21.84969652	1.438615061
3	10.04613335	3.25828029
3	0.725388468	5.924062151
2	4.491455419	10.1923771
5	18.63836018	3.16175783
3	28.2939224	3.685411771
4	11.68511267	-4.360920928
1	3.572681047	3.466807019
5	39.67399295	6.806665498
4	16.95292354	4.006791829
5	4.925985526	1.30593879
5	17.62112735	5.766763091
2	1.586006288	2.224045982
2	55.03259193	2.371907241
3	6.844053318	14.63491122
6	0.269983778	-0.027967493
2	18.09599583	5.740324946
5	26.2259176	-3.657369698
6	5.543891955	3.005089881
5	6.584733742	6.812621594
6	17.14567933	8.747554644
6	7.49507148	4.244352072
1	3.038757231	0.400741624
1	1.040878553	6.214742374
2	8.107792004	-4.427365989
4	14.02273841	7.015341442
1	3.177282554	5.907783784
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4	21.80078797	9.604980298
2	28.56518594	11.10842101
3	6.822444909	6.499933878
2	9.67447293	13.79425042
3	6.645200046	-0.915808983
4	8.698167873	-1.558007095



1	12.65918584	3.50731608
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5	35.74482515	-3.141300362
6	5.30489637	8.098649074
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3	19.33152232	3.897071535
5	0.48968477	5.928714552
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3	22.46566857	6.696041339
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3	44.56145317	11.26407321
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5	13.6148668	-3.397808507
2	8.474647915	1.816322617
6	4.121982119	-6.323901737
4	17.35373546	9.702614049
1	13.18801412	-0.759054621
3	46.71703089	8.725374224
6	1.485954354	3.087652123
6	14.51036039	5.419436868
6	5.450659048	4.796904758
4	20.99391566	3.890851
4	4.163818418	6.499199775
4	8.020066534	8.745769313
5	34.36507854	5.593812323
2	25.75168417	6.322950454
6	16.94401757	-0.952722092
6	34.99939987	7.045227123
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2	1.105603337	15.65356567
3	10.43661913	5.046406192
5	7.292176191	13.05230019
3	28.2008191	0.318993619
3	0.150290513	1.202066053
3	0.007145241	4.210339311
6	9.155858663	6.336022148
2	3.349724593	5.147744255
6	4.282234283	7.336357807
4	1.923926111	5.832843626
5	21.26412472	12.41885212
6	27.49352274	11.25091389
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5	22.36077267	-4.553011917
1	5.941792609	-9.558439319
5	0.985377677	-7.999606234
3	4.687306115	6.747210493

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5	41.13021809	2.184701965
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2	7.672384852	5.374698041
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2	12.58067438	6.807239184
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3	32.46462604	5.427846568
4	9.154178906	5.161501856
6	8.946426874	1.505753076
5	0.985454584	1.523232433
5	10.77672454	2.073447375
4	8.685277283	-7.286056508
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6	1.905732203	-3.374445717
6	0.921259271	3.608933644
1	9.696591748	-5.120488607
3	6.761818859	5.339524455
3	29.35531967	13.10117274
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2	18.00645984	1.751221393
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3	9.543634737	-1.779492603
6	12.53583883	3.038260923
3	3.558522729	4.562353425
5	78.86567026	1.353857055
6	26.63542394	3.222202893
3	3.863549578	4.107086843
5	22.06408183	8.525219281
6	19.11290234	12.29245945
2	5.259704246	4.195626279
6	0.965402925	2.293855652
2	5.798140222	-2.454660432
5	15.43499591	6.61538155
1	8.55557328	2.837205414
1	15.79214917	2.77741128
4	3.436653486	1.407697505

6	20.44260926	2.179084218
1	8.450961315	1.591337659
1	5.202402874	-0.805905894
2	1.9111058	1.99940293
1	6.405668177	4.497185959
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6	25.57679712	6.04356128
5	26.05373055	-6.177039166
5	12.00920968	-0.893261863
5	12.86187882	3.70839815
6	10.06887902	4.348119747
5	15.33637053	4.2219839
2	1.966282986	8.461799457
6	4.656765865	0.029283129
4	11.93086482	0.30975329
4	0.096233358	3.521119135
2	36.50783684	13.59306068
1	32.56776593	6.565968621
4	4.766194588	2.207415449
5	4.758607558	5.135019803

5	10.25496517	1.690649801
5	14.81790407	11.02690142
4	0.527116802	-4.118456338
3	56.25597303	0.839954108
1	2.593332234	2.986821302
1	18.28865367	1.668816112
6	31.24843522	-3.469748766
1	6.879461087	2.218910176
6	28.63103238	9.152763675
2	5.761362359	12.03919891
2	0.587436388	-4.10514854
3	14.79487742	1.181461467
1	22.97060642	8.527215081
4	7.203064158	6.023373994
5	0.828297393	9.679238767
1	15.41117117	3.084999024
3	23.51543729	5.386384357
2	24.90111526	-5.231990742
6	4.714589114	11.75367862
6	1.996020727	3.424655214
5	7.897000397	-5.208451764
3	7.013424891	2.39774241
3	21.48714016	0.149373371
4	1.23803442	11.74651757
1	8.802743352	1.273810497
5	34.34205837	8.180631394
2	3.733761019	5.227782753
1	15.57701326	10.47091445
1	0.035878276	6.118830538
1	11.63937983	7.925158666
1	3.586157586	4.682870965
1	1.066609914	10.28837977
6	0.608984744	5.826587334
6	2.164114015	6.354264685
4	19.29998717	0.486471072
2	7.886229583	1.123021029
1	0.817469886	0.678466817
3	16.6670209	7.621082803
1	6.555894083	3.364774315
3	5.565293767	5.080580217
1	17.02581015	13.0775354
4	31.31498092	12.91518478
2	1.977967279	7.701559058
4	21.63996942	-1.208114626
2	6.28414786	2.426234514
2	17.92624864	9.915065619
1	11.74042884	11.46297741
2	0.107514013	0.013106981

6	14.68849013	7.289639621
4	7.127728902	15.86092886
3	26.21979316	1.570240932
4	8.470047847	5.097922197
6	9.447196604	-3.389162836
5	85.88181872	4.268106682
5	1.292144229	8.246653755
1	6.366111006	3.008589056
1	0.985794613	4.823589966
5	5.580550862	5.273621158
3	12.29787242	2.561300623
1	2.328620359	15.40151092
4	3.383748815	1.826292381
1	2.611425598	-3.468250035
2	12.8884165	7.158094738
3	1.868046621	8.655428878
4	15.27169705	-2.346055116
1	11.08700122	-0.01914805
1	46.34930492	-3.952717923
5	7.699513293	-3.139664856
3	2.384473783	7.801024139
1	55.1923947	5.752134678
5	20.28471605	8.487719573
3	5.243541031	-0.091628735
3	24.92116172	17.69139869
1	33.78641359	6.166237268
1	0.93639773	3.73306716
2	2.262917788	9.198021957
1	3.25009903	1.673701964
5	3.721664665	6.233691817
1	3.986533075	-1.961522006
5	4.164768255	2.959759677
3	2.627223691	8.37383795
5	34.21261645	3.861647966
4	22.34262322	9.342011362
3	1.988711167	-0.738218756
2	25.5739628	3.809708011
2	12.24797171	3.199255159
2	2.124122751	7.385663131
3	9.313020267	10.04749092
4	1.474071284	-0.866208248
3	2.240187306	5.952705656
5	13.28831104	1.258185296
4	13.0480131	7.093689295
1	12.81419556	4.569809824
5	17.25874939	7.793185519
3	12.8890005	9.93006877
5	4.93184278	-1.801396903

6

15.36634038 1.289111104

á (DNV - výsledky hodů kostkou):

tabulku bodových četností, relativních četností, kumulativních četností a kumulativního grafu znázorněte relativní a kumulativní relativní četnosti, modus.

roměnná (SNV1 a SNV2):

pro ně krabicové diagramy. Existují u nich odlehlé nebo dokonce extrémní hodnoty a grafy intervalových četností.

dě těchto grafů odhadněte, jakou (teoretickou) spojitou náhodnou veličinou by rozdělení bylo. Doplňte o odhad parametru(ů) vybraného rozdělení, tedy

normálního  $a, b,$

exponenciálního  $\lambda$



























































































































































































































































































ivních relativních četností,

ty?

zdělení těchto dat mohlo být reprezentováno.